

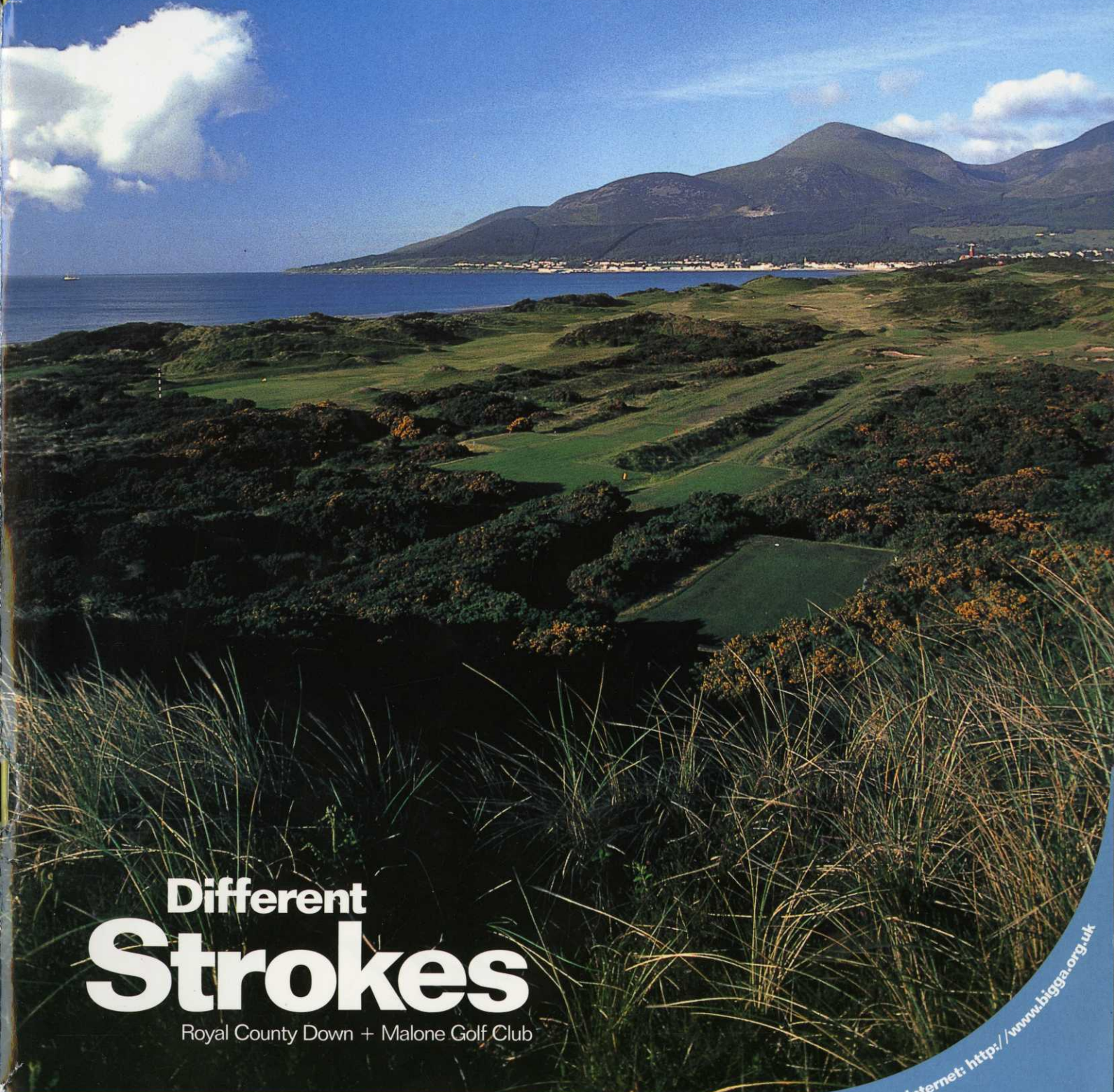
Award-winning magazine of the British and International Golf Greenkeepers Association



August 2000 - £3.50

# Greenkeeper

## INTERNATIONAL



### Different

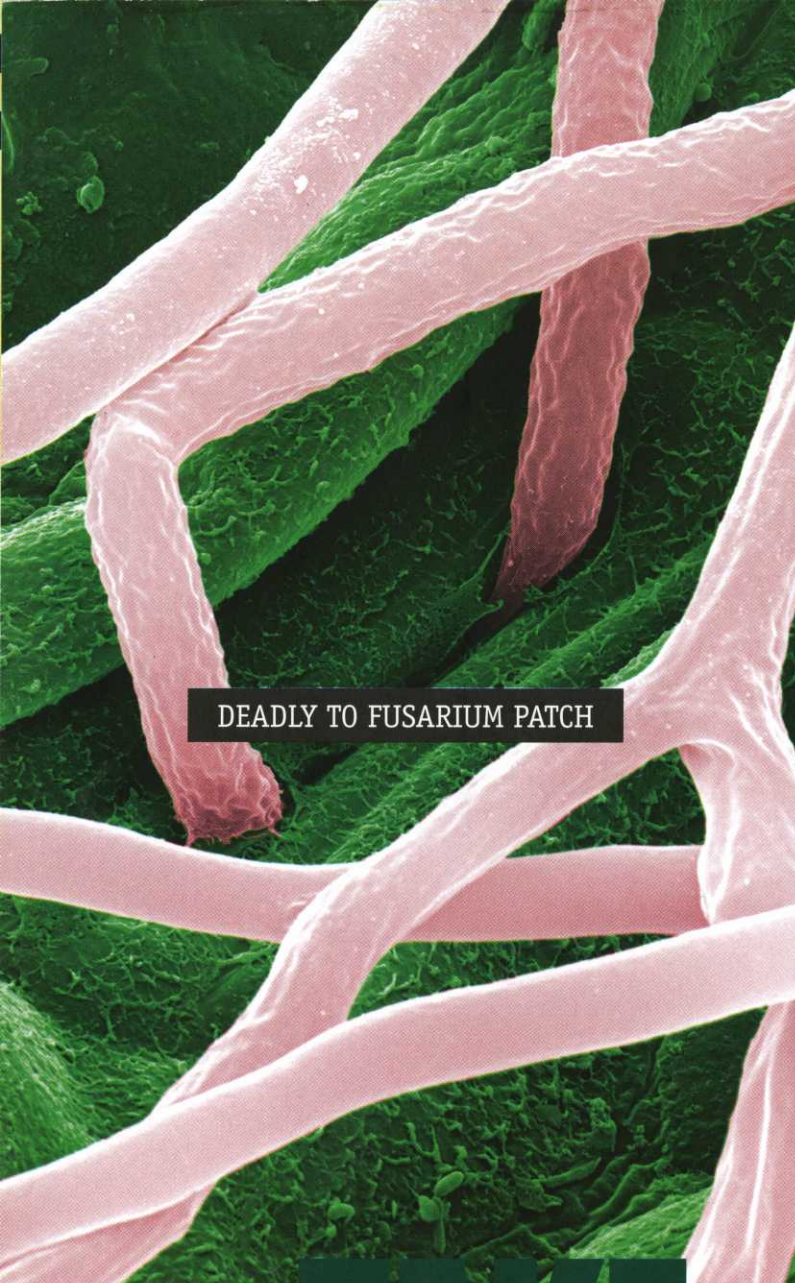
# Strokes

Royal County Down + Malone Golf Club

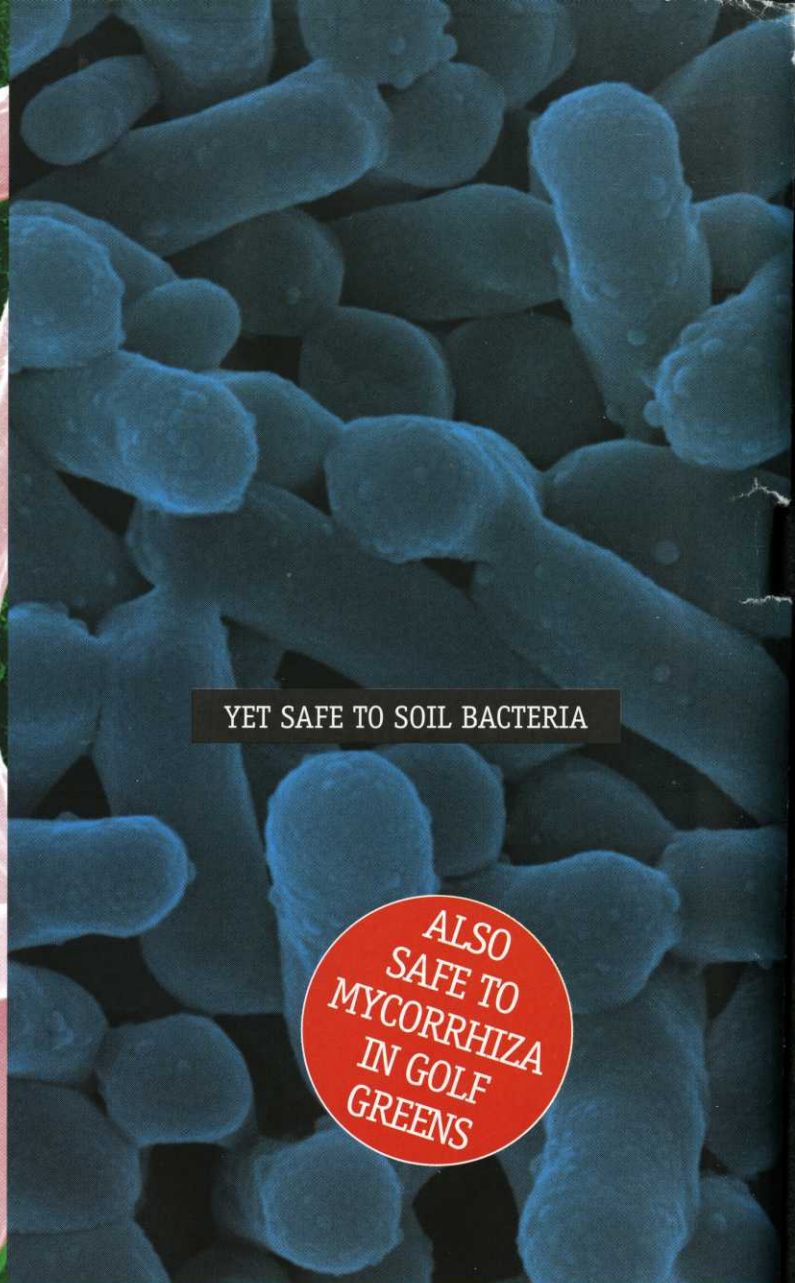
Open Review | Water Features | IOG Saltex Preview | Charcoal | Sandy McDivot

See us on the internet: <http://www.bigga.org.uk>





DEADLY TO FUSARIUM PATCH



YET SAFE TO SOIL BACTERIA

ALSO  
SAFE TO  
MYCORRHIZA  
IN GOLF  
GREENS

# TAKE A CLOSER LOOK AT RIMIDIN

Friends and Foes... under the microscope. Crippling turf diseases like Fusarium Patch, Red Thread, and Dollar Spot are easy prey to the systemic fungicide Rimidin\*. Having both a protective and curative action, Rimidin is fast acting, long lasting, reliable and cost effective. Yet Rimidin has been proven safe to those all-important beneficial soil bacteria. Take a closer look.

**RT**  
rigby taylor

**FREE BIGGA**  
Workwear Navy Fleece\*



When you purchase at least  
12 litres of Rimidin.

Ask your local Rigby Taylor Representative for details

Rigby Taylor Limited, Rigby Taylor House, Garside Street, Bolton, Lancashire BL1 4AE. Tel: (01204) 394888 Fax: (01204) 398379. Rimidin contains fenarimol. \*Rimidin is a trade mark of Dow AgroSciences. ALWAYS READ THE LABEL. USE PESTICIDES SAFELY.

\*while stocks last



## August 2000 advertisers

TICK	ADVERTISER	PAGE
	A F Trenchers Ltd	32 & 53
	Advanta Seeds	74
	Amenity Land Services	75
	Amenity Technology	92
	Andreas Stihl Ltd	11
	Aventis	6
	Banks Amenity Products	21
	Barenbrug UK Ltd	53
	Bathgate Silica Sand	19
	Bernhard & Co	54 & 76
	Bioseed	32
	Brian Pierson	32
	Durasport	5
	Eagle Promotions	13
	Envigro	14
	Eric Hunter Grinders	71
	Everproducts	66
	Flowtronex	37
	Geosynthetic Technology	22
	Golf Car UK Ltd	35
	Golf Mats UK	21
	Green-Relief™	50
	Greensward	61 & 91
	Groundsman Industries	75
	Humate International	60
	Hydroscope	17 & 35
	ING Turfcare Finance	38
	Kawasaki	75
	Lely	56-57
	Logic Irrigation	70
	Marlwood	58
	MFA Messe Frankfurt	53
	MJT Contracts	41
	Motorkov	76
	Olympic	76
	Par Aide UK	67
	Perryfields	68-69
	Rainbird	43
	Rigby Taylor	2
	Rolawn	38
	Scats Groundcare	59
	Tektren	19 & 21
	Tonick Watering	73
	Turfmech	72
	Vitax Ltd	64
	Weed Free	19
	White Castle System Inc, & PSB Company	32

# Greenkeeper

INTERNATIONAL

## Reader reply card

More than just a magazine – Greenkeeper International can help you find the right products or services for your golf course – for free! Just tick the advertiser whose product or service interests you, send the card back to us, and we'll pass on your enquiry. Further details will be rushed straight to you, directly from the advertiser. It's as easy as that and what's more, it won't even cost you a penny!

Name

Position

Company/Course

Address

Postcode

Work Tel:

Email:

## Subscribe today!

Because we deal with the issues which affect you, you can't afford to miss a single copy of the award-winning Greenkeeper International magazine. Subscription rates are: £36 for 12 issues (Europe £46). All you have to do is tick this box ☐ then complete your details above, and post this card back to us. We'll then add your name to our ever-increasing list of satisfied magazine subscribers.

An invoice will be sent in due course.



BUSINESS REPLY SERVICE

Licence No. YO 331

2



**Subscriptions**  
**BIGGA HOUSE**  
**Aldwark**  
**Alne**  
**York**  
**YO61 1UF**





## A guide to who's who at BIGGA

President  
Sir Michael Bonallack, OBE

**BIGGA Board of Management**  
Chairman - Elliott Small  
Vice Chairman - Clive Osgood  
Past Chairman - Gordon Child

**Board Members**  
Richard Barker  
Ian Semple  
Paul Jenkins  
Jim Paton  
Ian Holoran

**Executive Director**  
Neil Thomas  
E-mail: neil@bigga.co.uk

**Administration Manager**  
John Pemberton  
E-mail: john@bigga.co.uk

**Sales & Marketing Manager**  
Steve Hardy  
E-mail: steve@bigga.co.uk

**Editorial Media**  
Scott MacCallum  
E-mail: scott@bigga.co.uk

**Education & Training Manager**  
Ken Richardson  
E-mail: ken@bigga.co.uk

**Membership Services Officer**  
Tracey Maddison  
E-mail: tracey@bigga.co.uk

## Contact us

You can contact The British and International Golf Greenkeepers Association in any number of ways:

**Post:** BIGGA HOUSE, Aldwark, Alne, York, YO61 1UF

**E-mail:** reception@bigga.co.uk

**Internet:** www.bigga.org.uk

**Tel:** 01347 833800

**Fax:** 01347 833801



INVESTOR IN PEOPLE



## Greenkeeper Education and Development Fund

The Fund provides the key to the future for greenkeeper, golf club and game. Individuals and companies can join the Golden Key Circle and Silver Key Circle. For details, please contact BIGGA on 01347 833800

### Golden Key Circle Company Members

Company	Tel: Head Office
Avoncrop	01934 820868
Advanta	01529 302500
Amazon Ground Care	01579 351155
Aventis	01277 301114
Bernhard and Company Ltd	01788 811600
Charterhouse Turf Machinery Ltd	01428 661222
Gem Professional	01254 356611
John Deere Ltd	01949 860491
Hayter Ltd	01279 723444
Kubota UK Ltd	01844 214500
PGA European Tour	01344 842881
Rainbird	01273 891326
Rigby Taylor Ltd	01483 535657
Rolawn	01904 608661
Ocmis	01460 241939
Scotts UK Professional	01473 830492
Texton Turf Care	01473 270000
The Toro Company (Lely UK)	01202 319987

### Individual Members

Mike Eastwood, J H Fry, J H Greasley,  
David S Robinson, Stuart Townsend

### Silver Key Circle Company Members

Company	Tel: Head Office
Ernest Doe & Sons	01254 380311
Lambert/Fenchurch UK Group Ltd	0113 246 1313
Sisis Equipment Ltd	01625 503030
Supaturf Products Ltd	01455 639639
Weed Free	07000 481011

### Individual Members

Clive A Archer, John Crawford, Bruce Cruickshank,  
Douglas G Duguid, Alan Holmes, Iain A MacLeod,  
Robert Maibusch MG, Richard S Mullen, Elliott R Small,  
Steven Tierney, Raymond J Warrender

## August 2000

Your next issue of Greenkeeper International will be with you by September 11, 2000

## Regulars

### News

Pages 7, 8, 9 and 10

### 12 Letters

### 15 The Learning Experience

Safety in Numbers: Laura Knights looks at the care taken when new machines are being produced and the emphasis that is placed on health and safety issues



### 18 Education

Ken Richardson explains the new Continuing Professional Development initiative taken up by the Association

### 20 Membership Update

### 20 Web Watch

This month features Education

### 55-60 Around the Green

### 88 Friendly Advice

Sandy McDivot gives some helpful advice on improving customer relations

### 90 Features listing

Helping you track down some of Greenkeeper International's previous articles

### 90 As I see it...

BIGGA Chairman, Elliott Small, welcomes BIGGA's 7,000th member; as well as bringing members up to date on the new CPD initiative and the proposed new membership category



90 As I see it...



80 Win £50 with our Buyers' Guide quiz

## Greenkeeper INTERNATIONAL

The official monthly magazine of the British & International Golf Greenkeepers Association

### Editorial

Editor: Scott MacCallum  
Tel: 01347 833800 Fax: 01347 833801  
E-mail: scott@bigga.co.uk

### Advertising

Sales & Marketing Manager: Steve Hardy  
Tel: 01347 833800 Fax: 01347 833802  
E-mail: steve@bigga.co.uk

Sales & Marketing Department:  
Jenny Panton, Cheryl Broomhead, Diane Bray  
Tel: 01347 833800 Fax: 01347 833802  
E-mail: sales@bigga.co.uk

### Design

Design & Production Editor: David Emery  
Tel: 01347 833800 ISDN: 01347 830020  
E-mail: david@bigga.co.uk

### Printing

Hi-Tec Print, Units 9-10, Houghton Road,  
North Anston Trading Estate, North Anston,  
Sheffield S25 4JJ ISDN: 01909 550561  
Tel: 01909 568533 Fax: 01909 568206

The advertising copy deadline for inclusion in the September 2000 edition of Greenkeeper International is Tuesday, August 15, 2000

### Greenkeeper International:

Contents may not be reprinted or otherwise reproduced without written permission. Return postage must accompany all materials submitted if return is requested. No responsibility can be assumed for unsolicited materials. The right is reserved to edit submissions before publication.

Although every care will be taken, no responsibility is accepted for loss of manuscripts, photographs or artwork.

Opinions expressed are not necessarily those of the Association, and no responsibility is accepted for such content, advertising or product information that may appear.

Circulation is by subscription. Subscription rate: UK £36 per year, Europe and Eire £46. The magazine is also distributed to BIGGA members, golf clubs, local authorities, the turf industry, libraries and central government.

ISSN: 0961-6977

© 2000 British and International Golf Greenkeepers Association

## Reader Reply Card

Advertiser	Page
A F Trenchers Ltd	32 & 53
Advanta Seeds	74
Amenity Land Services	75
Amenity Technology	92
Andreas Stihl Ltd	11
Aventis	6
Banks Amenity Products	21
Barenbrug UK Ltd	53
Bathgate Silica Sand	19
Bernhard & Co	54 & 76
Bioseed	32
Brian Pierson	32
Durasport	5
Eagle Promotions	13
Envigro	14
Eric Hunter Grinders	71
Evenproducts	66
Flowtronex	37
Geosynthetic Technology	22
Golf Car UK Ltd	35
Golf Mats UK	21
Green-Releaf™	50
Greensward	61 & 91
Groundsman Industries	75
Humate International	60
Hydroscape	17 & 35
ING Turfcare Finance	38
Kawasaki	75
Lely	56-57
Logic Irrigation	70
Marlwood	58
MFA-Messe Frankfurt	53
MJT Contracts	41
Motorkov	76
Olympic	76
Par Aide UK	67
Perryfields	68-69
Rainbird	43
Rigby Taylor	2
Rolawn	38
Scats Groundcare	59
Texton	19 & 21
Tonick Watering	73
Turfmech	72
Vitax Ltd	64
Weed Free	19
White Castle System Inc. & PSB Company	32



# The wonderful thing about Tiger

It was a wonderful experience to be at St Andrews during The Open and watch history being made. Only four people have completed the modern Grand Slam, and the last time it was achieved was in 1966 by Jack Nicklaus. Therefore, what we witnessed on the 18th green of the Old Course, is not something which comes along every day of the week.

Tiger Woods is an absolute phenomenon, and the impact he has made on golf cannot be underestimated. He has been smashing long-standing records all his life, and to achieve the winning margins he manages against the best of the rest, when golf is regarded as having more strength in depth than in any other time in history, is truly remarkable.

He currently holds three of the four Majors - Vijay Singh has the Masters - but on the form he has shown recently, the once fanciful thought that all four could be won in the same season no longer seems such an out and out long shot. In fact the realistic odds on him doing it at some time in the next ten years would be pretty short.

For golf to possess the number one personality in sport at the moment, is great for the game.

There is a body of opinion that he is simply too good, and that his winning on such a regular basis is monotonous. Indeed this year's Open did lack a bit of excitement and there was a degree of inevitability about the outcome from very early on. But you can't blame Tiger for that. It is the rest who are not good enough, and the players who recognise this quickest - and they do exist - are the ones who will make the biggest inroads into the ability gulf.

It will move golf, as a whole, onto a new plane, and the modern breed, led by Tiger, will "play a game of which I'm not familiar" as Bobby Jones said of Nicklaus.

The popularity of golf does move in quantum leaps. We had Arnold Palmer, perhaps the last golfer to have been the most popular sportsman in the world, putting The Open back on the map in the early 60s; we had the arrival of the young swash-buckling Seve Ballesteros in the late 70s and then Europe's historic first Ryder Cup win in ages at The Belfry in 1985. Each of these moved golf on to a new level of popularity and we can expect the same with the impact Tiger has made on the game all over the world.

Golf must be ready for the influx of a whole new group of people wanting to try the game and the more enlightened golf clubs will open their doors to them.

That will be good for all BIGGA members because the more popular the game, the more money will come into it, and the more resources you will be given to do your job.

Stand back and await the invasion.

**Scott MacCallum**  
Editor



# Greenkeeper

INTERNATIONAL



## Different Strokes

**Scott MacCallum travelled to Northern Ireland to visit two golf clubs which are completely different but share the same emphasis on excellence. Malone GC and Royal County Down are maintained in stunning fashion by Graeme Wylie and Alan Strachan respectively**

**Pages 23-31**

COVER PHOTO OF ROYAL COUNTY DOWN BY BRIAN MORGAN 0141 2216236

## Features

- 33 A Splash of Colour**  
Roland Taylor explores water features and examines how to get the most out of them
- 39 Grand Occasion**  
Grand Tour Scholarship winner Colin Mumford takes us through the wonderful experience he enjoyed visiting some of the finest courses in the USA
- 44 Tiger Tiger Burning Bright**  
Tiger Woods created history at St Andrews and the BIGGA Greenkeeping Support Team was there to share the experience
- 28 Old Tom Morris**  
Tiger Woods may be the name on everyone's lips at St Andrews nowadays but, as Walter Woods explains, it was Old Tom Morris who made a huge impact first
- 62 Black is Back**  
Charcoal is making a return to golf clubs as a useful and practical management tool. Dr Stan Williams explains why
- 65 Saltex Preview**  
As we enter late summer we know that Saltex at Windsor is looming. We preview the show
- 77 Hot, Hot, Hot!**  
BIGGA's annual Golf Day, this year sponsored by The "A" Group Hotels of Harrogate, was held on the hottest day of the year. Some of the scoring was pretty hot too

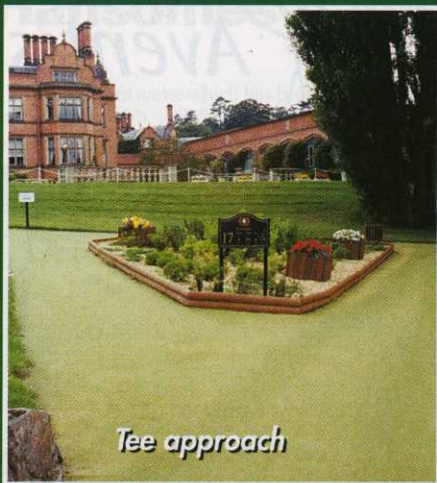


**33** Add a splash of colour with a water feature

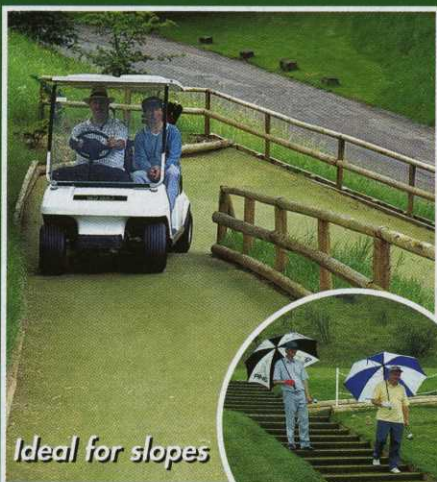


**44** Open glory for Tiger



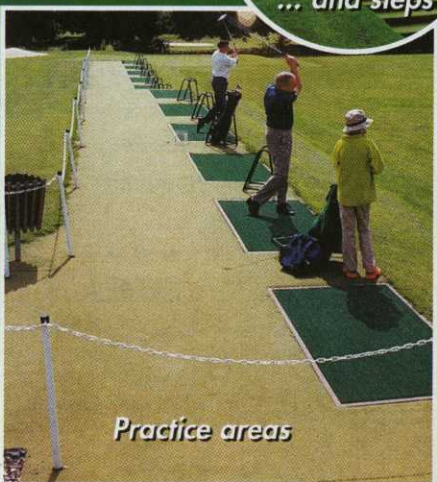


Tee approach



Ideal for slopes

... and steps



Practice areas



**Proven performance at courses throughout the UK**

- Smart, natural turf appearance
- Eliminates the time and expense of annual re-instatement works
- Will withstand spike penetration
- Can be laid onto severe slopes
- Ensures quiet tee approaches
- Minimal maintenance
- Gang mowers can run straight across surface

Plus

**5 YEAR WARRANTY**

Please call for more information



**DURA-SPORT**

*improving the game*

**Tel 0116 277 0899**

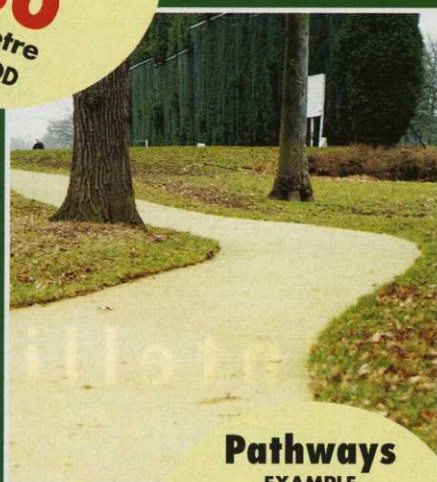
Fax 0116 277 0433

Simple fitting instructions provided  
Installation quotes on application

All prices are for a limited period only and exclusive of VAT and carriage where applicable.  
Sure Step is protected by VHAF Patent No. 0174755



Tidy waiting areas



**Pathways**

EXAMPLE

30 metre x 2 metre only

**£499**



**Plastee**

Only  
**£395**  
EACH  
Buy 8 get  
1 Free

Revolutionary, tough, resilient system using a mixed recycled polythene, thermoplastic material. Non bio-degradable - virtually indestructible. Can stand alone on ground or flush into turf. Works well with Sure Step surround (right)



**Winter Tee Kit**

Durable Sure Step surround complete with tough, nylon driving mat and Plastee framework (visible or covered)

from only  
**£545**



Mycorrhizal structures associated with turf roots

# Intelligent disease control

Harmless to beneficial turf fungi

Still effective against disease

Amazingly, some species of fungus are hugely beneficial to your turf.

Mycorrhizal fungi develop a mutually beneficial relationship with turf roots for effective nutrient exchange, and increased resistance to drought, insect pests and disease.

As a result, turf associated with Mycorrhiza tends to be healthier.

You'll be pleased to hear then, that Rovral Green leaves these 'friendly' fungi completely unharmed.

You'll also be glad to know that Rovral Green is still as effective as ever at controlling the harmful species like Fusarium, Red Thread and Dollar Spot. No wonder it's still the UK's No 1.

Rovral Green - it thinks for itself.



Fusarium



Dollar Spot



Associate Member





# Ransomes name leaves the golf arena

The Ransomes name which has been synonymous with golf for almost as long as courses have been professionally maintained is to be lost to the game.

In a major new strategy by parent company Textron the Ransomes brand is to be linked to the municipal market while golf will come under the Jacobsen banner. It will mean a phasing out of the familiar green machines on golf courses to be replaced by the orange of Jacobsen.

"When we looked at our position in the market sectors it became clear that the Textron brands were not as clearly defined as we thought," explained Harold Pinto, Managing Director of Textron Turf Care and Specialty Products.

They looked at three options. Changing the corporate colour for all machinery to Textron blue; branding the premium products as Jacobsen and the cheaper brands as Ransomes or splitting the two brands under the Textron banner so that they had Golf - Jacobsen, orange and Municipal - Ransomes, green.

"Before going ahead we spent a lot of time talking to people in the industry including some of our biggest customers at St Andrews and Gleneagles Hotel and they were all extremely positive about the move," said Harold.

The 120 products in the current Turf Care and Specialty Product portfolio will remain intact with machines being repainted and rebranded to fit their new market. For example the Ransomes G-Plex II becomes the Jacobsen G-Plex II; the Ransomes T-Plex 180 becomes the Jacobsen T-Plex 180 and the Ransomes Fairway 305 becomes the Jacobsen Fairway 305.

"Our aims were to present a simple message to customers, eliminate in-house brand conflict and provide a more specialised sales support service," explained Neil Woodfin, the company's recently appointed Marketing Director.

While Textron undertook research before announcing the change they are still aware of the potential dangers.

"There is an element of risk about it and we did think long and hard about it before going ahead," said Harold.

"We announced it to our work force at a recent employee meeting and they were positive although there is some sorrow that the Ransomes name will be lost to the golf market."



Above: The giant HR-9016 rotary mower for the municipal market, formerly a Jacobsen machine, now appears in the green livery of Ransomes

Below: The former Ransomes Fairway 305 now sports the distinctive orange Jacobsen livery as a dedicated golf mower



## Major environment award for BIGGA

BIGGA has received one of the coveted Green Apple Awards 2000 for Environmental Best Practice. The trophy will be presented during the Gala Prize giving at The Cafe Royal, London, on 1 August with Environment Minister, Michael Meacher, in attendance.

BIGGA is at the forefront of promoting an increasing awareness of the positive environmental impact of golf. The Association has a key role in stimulating action and debate in

relation to the 'Committed to Green' initiative throughout the European golfing community.

For the past four years, BIGGA in conjunction with Amazone Ground Care and, for 2000, the Royal and Ancient Golf Club, has organised and run the BIGGA Golf Environment Competition. This has developed into a major competition for golf clubs and BIGGA believes that through this competition it can greatly advance the message of environmental responsi-

bility and stewardship to golfers, greenkeepers and trade companies as well as impact on the environmental and general media.

At BIGGA we are delighted to have received this award. It recognises the commitment of both members and staff in environmental matters and I believe that this award recognises that the game of golf is taking a lead in serving as a role model for good environmental practice," said Executive Director, Neil Thomas.

## Jenny moves on

Jenny Panton, whose work in BIGGA's Sales and Marketing Department has done much to make recent BTMEs the success that they have been, is moving to pastures new.

Jenny, who has been with the Association since February '97, is to become Project Event Manager, with Harrogate company Raho Ltd.

It will be a busy time for Jenny as she takes up her new position immediately on her return from honeymoon so as well as wishing Jenny all the best in her new job, we wish her and Scott every success for the future.

After August 17, all enquiries in relation to BTME2001 should be directed to BIGGA's Sales and Marketing Manager, Steve Hardy on 01347 833800 or via [steve@bigga.co.uk](mailto:steve@bigga.co.uk)

## S West & S Wales Region set to go supersonic?

An approach by South West and South Wales Regional Administrator to Amenity Technology to investigate the possibility of the company sponsoring transport to BTME 2001 has revealed that the Region's members may be in for a while of a time on the journey north.

In reply to Paula Humphries' letter Amenity Technology Managing Director, Carl Crome, wrote the following:

Dear Paula

Thank you for your letter dated 12th June regarding our sponsorship of the coach to Harrogate. We have also been investigating other modes of transport with some interesting results.

For speed of transit we have looked at the option of a coach trip to Heathrow, and chartering Concorde for a swift five minute flight to Leeds airport. Alternatively for a little extra expenditure the trip can be extended via Dublin to allow the plane to reach supersonic speeds. The cost of this would be £125,500 and, as agreed, we would be pleased to fund 50% of this.

The second option that we have investigated, is, in my opinion, more financially viable, and would also be more enjoyable for your members. This involves chartering the new luxury cruise liner Hedonism III. Sailing from Portsmouth the liner will stop at Calais allowing everyone to purchase duty free items before docking in Grimsby, for transit to the Harrogate show via a free courtesy coach. At only £99,000, this is in my opinion a 'steal' and, as above, we would be pleased to fund 50% of the costs. Naturally our offer is subject to each BIGGA member attending placing an order of £10,000 each.

I trust that you will find these options of interest and if you would like any further details then please do not hesitate to contact me.

Best regards  
Carl Crome



## Sad passing of Ron Whitehead

Ron Whitehead, until recently Head Greenkeeper at La Moye GC, on Jersey, has died after a short illness.

Ron, who was 68, retired to Skegness two years ago but in that time designed a golf course for a Jersey-based syndicate at Tattershall Castle, in Lincoln. He had started work on the construction of the course when he was taken ill.

He had started his greenkeeping career at Beauchief GC and worked at both Dore and Totley GC and Wheatley GC before moving to Jersey.

He is survived by his wife, Pauline; sister, Mavis; son, John and daughter, Delyce.

## New MD at Stihl

Peter Baker has retired as Managing Director of Andreas Stihl Ltd on the grounds of ill health.

Martyn Thomas, the newly appointed MD joined the company at the beginning of May and the formalisation of his appointment as the new Managing Director takes immediate effect.

As head of the STIHL operation in UK, Peter Baker has been a key figure in the industry for over 20 years. His retirement, which had been planned and announced for December of this year, has been brought forward to allow him to concentrate on recovering his health and thus fully pursue his active plans next year. Friends and colleagues throughout the organisation wish Peter a full and speedy recovery.

Martyn Thomas' first months in the business were spent visiting the company's global headquarters in Germany and working closely with senior management to ensure the smooth transition of his role for customers, suppliers and staff.

Previously with Mitsubishi Electric Europe, Martyn was Divisional Manager responsible for the significant multi-million pound Industrial Automation Systems business - a major supplier of control systems to manufacturing industries throughout the UK.

Prior to working for Mitsubishi Electric, Martyn spent 15 years with DuPont, the US based chemical company in a number of sales, marketing and technical roles. Since graduating from Bristol University in 1977 with a First Class Honours Degree in Chemistry, Martyn has lived and worked in Germany, Switzerland and the USA, and has travelled extensively throughout Europe and Japan.

## Daniel returns to STRI

A former STRI employee has returned to Bingley, following the loss of three turfgrass advisers in June.

Daniel Binns, previously employed as an STRI Research Officer in Soil Physics, is currently working as a project team manager for a community environmental programme operating a recycling business.

Daniel will be joining Henry Bechelet, also a former STRI Turfgrass Agronomist who re-joined the Institute in May.

# Sisis record a busy year after merger

A year on from the company's take over of Huxley's, Sisis has completed the extensive consolidation work and is now ready to face the future with confidence.

"With ourselves based in Macclesfield and the Huxley headquarters down in Hampshire it was a logistical nightmare," explained Lynn Hilton, who added that she believed the company now offered the largest single range from a single company in the world.

"A team including joint Managing Director, William Hargreaves; Operations Manager, John Arnold, and Design and Development Manager, Brian Hartley spent three months at the Huxley site ensuring a smooth change over.

"Some 40 wagon loads of parts came up from Hampshire and all had to be logged and found space in the existing storage here," she explained, adding that a recently built mezzanine floor will help to alleviate the congestion.

The "merger" of two of the best known British companies in the fine turf industry made sense from an economies of scale factor but also because Huxley was a grass cutting specialist whose portfolio of products fitted nicely into Sisis' wide range of products.

Since the purchase of Huxley's, the Sisis staffing numbers have increased to around 77.

Huxley's had around 30 products in



its range and Sisis will be concentrating on around 12 of these - the other 18 being covered by products in the existing Sisis range.

"On a few instances we shall be continuing with the Huxley machine and dropping the Sisis one," said Keith Vertigan, the UK Sales Manager.

"It is good to be getting back into grass cutting which Sisis did 20 years ago," added Keith, who is relishing the task of selling the new expanded Sisis range.

Sisis now export to 42 countries and to every continent while the recently

formed outlet in South Carolina, under the stewardship of Ian Camp, is making headway.

Although the Huxley name no longer appears on machines Sisis have retained the familiar burgundy colour for the grass cutting machines.

"It was felt that burgundy was a better colour than our usual black and yellow colours for grass cutting machines," explained Lynn.

Martin Cook, one of the former Huxley staff who joined Sisis, drives one of the Huxley machines which now carries the Sisis name.

## New storage system increases efficiency



Textron dealer Scottish Grass Machinery has invested £30,000 in a storage facility for parts to dramatically increase the speed and efficiency of their distribution and after sales support.

The Inverkeithing based company, part of the SGM Group, purchased the giant-sized Kardex Industrieroller as part

of its constant drive to improve customer service as the machinery operates a carousel enabling quick and easy access to more than 10,000 stored parts.

"Time is of the essence in meeting customer demand. It now takes seconds to access a part using this piece of machinery. This means we

are able to provide an even more efficient maintenance and support service to our customers. It has also reduced the floor space required for parts storage by around 60%, which we now use as additional workshop space," said SGM Managing Director David McInroy.



# Porsche efficiency at Antonio Carraro

Technicians from Porsche in Stuttgart have begun an important collaborative project with Antonio Carraro as part of the Padova firm's on-going development.

This project with the German firm fits into the Company's wider strategy. During the last three years Carraro has made a major commitment designing and developing tractors to form the Ergit series. They have also constructed a new manufacturing plant and further developed their centre for study and research.

The intention is to optimise on these investments by further developing manufacturing processes and commercial methods using information technology at every level.

In this first stage Porsche technicians have reduced production times on the old assembly line by re-organising the warehousing to achieve a just-in-time process. This has resulted in work on the assembly line having fewer interruptions and creating high quality control at every stage.

The training system advocated by the Porsche technicians has the individual at its centre. Each person is made to feel actively part of the



construction process and is allowed to work with a high degree of autonomy. This results in an increased sense of responsibility and greater personal satisfaction.

These changes have generated a

great deal of enthusiasm for the project and for the training which it involves.

Charterhouse Turf Machinery Ltd are the sole importers of the Antonio Carraro Tractor range.

## Golf Course Architects merger confirmed

The merger between Europe's three leading golf course architects organisation was finally ratified in London at the beginning of July. The British Institute of Golf Course Architects, the European Society of Golf Architects, and Association Francaise des Architectes de Golf have merged under the title of the European Institute of Golf Course Architects.

The European Institute now represents the vast majority of qualified and experienced golf course architects throughout the continent of Europe, 'from Spain to Scandinavia, from Iceland to Italy'. The EIGCA intends to pursue the goals developed by the former British Institute, which include enhancing the professional status of the profession, developing the role of education, and increasing the opportunities for its members to practise in countries throughout the world. The European Institute of Golf Course Architects is recognised by the R&A and the EGU, and hopes to draw support from all golf Federations throughout Europe as well as pan European organisations. This can only be of further and increasing benefit to the profession in years to come.

The Head Office is at Merrist Wood House, Worplesdon, Guildford, Surrey with a second office in Vienna, Austria. The Institute has appointed a new Executive Officer. Julia Green, based at Merrist Wood, who took up her post from the formation of the new Institute.

At the EGM held earlier that day, David Williams was elected President of the Institute with Peter Harradine as his Vice-President. Other Members elected to the Council were Simon Gidman, Ken Moodie, Rainer Preissmann, Main Pint, Mark Adam and David Krause.

At the meeting, David Williams expressed great thanks to all those who had put considerable effort into the lengthy merger negotiations over the past five or six years.

## New faces at Textron

Selina Flynn has been appointed Communications and Promotions Manager at Textron Turf Care and Specialty Products. She will be responsible for the planning and implementation of Textron's marketing activities throughout Europe, the Middle East and Africa and will report to Neil Woodfin, the former Turf Care Product Manager appointed to Marketing Director earlier this year.

Selina joins Textron from a marketing communications background having worked in East Anglia for Volvo Commercial Vehicles and latterly the US-owned electronics company Wavetek in Norwich. Previous to this Selina lived in Brussels and worked for the European Union as an interpreter and translator after gaining an BA in French and European Studies at Keele University.

She now lives in Norwich and having travelled to many parts of the world enjoys weekend breaks in

Europe as often as a busy work schedule permits.

Tim Lansdell has joined Textron as Product Manager, Turf Care and Tractors and will be responsible for product development and promotion of the Ransomes Jacobsen, Cushman and Ryan turf care products throughout the world and the Iseki tractor range in the UK.

Tim obtained a degree in Agricultural Engineering from Silsoe College in Bedfordshire and then joined Ford Tractors, now New Holland, as a Product Demonstrator. During his 16 years with the company he was promoted to work in the Training Dept before being appointed a Product Marketing Manager, a similar position to his current job at Textron.

He lives in Chelmsford with his wife and daughter and in his spare time enjoys an active lifestyle, skiing in the winter months, bike riding in the summer and renovating his home.



## Royal Inverdivot GC...

by Tony Husband



## New role for Joe at Vitax

Joe Crawley has been appointed Technical Sales Advisor for Vitax, prior to the retirement of Allan Stow. Responsible for the whole of the South East, from Hampshire to Kent and Oxfordshire to Essex, Joe will be both looking after established clients and developing new business, in this area.

Thirty-year-old Joe brings over seven years sales experience with the company's products to his new post having worked for two of Vitax's key distributors. Originally an apprentice gardener with Basingstoke and Deane Borough Council, where he swiftly rose to the position of supervisor, Joe is looking forward to working directly for a company he feels he knows well.



## TGA's one-day practical courses

A series of one-day practical courses was held recently for members of the Turfgrass Growers Association (TGA) looking to maintain the continuing rise in the standard of cultivated turf.

Arranged and presented by independent turf consultant and agronomist, Robert Laycock, the courses took place at centres in Lincolnshire and Kent and were attended by managers and field staff from TGA members located in the north and south of England.

The principal theme of the courses was how to assess turf to the TGA quality standards. Produced in 1996, the TGA standards lay down a number of criteria that need to be met by good quality cultivated turf used in general landscape situations. Under this voluntary self-certification scheme, participating turf growers have to complete and provide a written declaration that the specific turf being supplied to the customer meets all of the requirements set out in the standards.

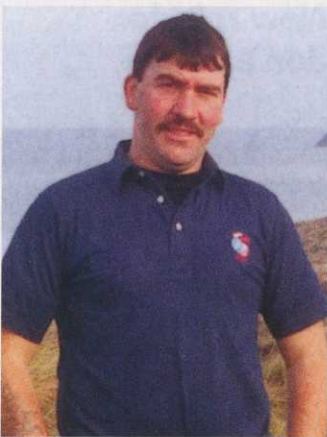
"By the end of the course, participants should be in a position to complete the TGA declaration with confidence and be able to use the equipment necessary to make a number of simple turf measurements," explained Robert.

"The course also involves brushing-up on the identification of individual grasses and provides an insight into the methods of assessing turf, both on the roll and in the field."

According to Robert complaints about turf quality have been one of the most common problems dealt with by Trading Standards officers. However, the rapid demise of pasture or meadow grass, and the steady growth in the area of cultivated turf being harvested in the UK, principally by TGA members, means that quality standards are on a continuing upward path.

"The higher the quality of turf produced, the fewer the complaints from customers," he concluded.

## Steve's new pastures



Steve Evans, for the last nine years Deputy at St Enodoc Golf Club and a well known BIGGA member, has taken up the post of Head Greenkeeper at Yelverton, in Devon.



**Further to National Chairman, Elliott Small's trip down last month he reported back in his column of the kangaroos he saw on one of the golf courses he visited. We are now in a position to show you the evidence!**

## Grass Science consultancy attracts new staff

Grass Science, a leading UK based sports turf and environmental consultancy has appointed two new staff to their operation.

Andy Cole, formerly with the STRI, joins as Senior Agronomist and will cover Central England and North Wales while Noel Mackenzie (also formerly with the STRI) joins as Senior Agronomist to cover Southern England and South Wales.

"These appointments are an integral part of the continued expansion of our consultancy services. It also enables us to further consolidate our policy of working closely with our clients to ensure that top quality results are achieved," said Brian Robinson, Director of Agronomy for Grass Science.

Left to right: Andy Cole, Noel Mackenzie.



## Lindum Plant appoint Scottish agents

Lindum Plant Nutrition has expanded its operations over the border, following the appointment of Greentech (Sportsturf) Ltd. as its Scottish agents. Responsible for developing the Scottish market, Greentech, now in its third year, has a rapidly expanding customer base, and a three man board, whose members have jointly acquired over 60 years experience in the industry. Kevin Brunton, one of the directors explained that the two divisions of the company, construction and supply, apply to all sports played on natural grass.

"We were looking for a good after care maintenance programme for our customers and Lindum Plant Nutrition offers basic soil chemistry with no gimmicks, backed with sound products," he commented.

Lindum's David Snowden said that the fact that Greentech had quickly established an enviable reputation,



and had two strings to its bow, made the company ideal to develop Lindum Plant Nutrition in Scotland.

Pic shows Greentech Board L-R Hugh Murray, Managing Director; Tom Brannan and Kevin Brunton.





## Stihl brushcutters. A better choice for cutting tough grass, scrub and vibration.

Naturally, any hard working professional wants a brushcutter with the power to make short work of the thickest undergrowth.

But if you're working all day long, comfort and safety are equally high priorities.

That's why all Stihl's high performance brushcutters are fitted with an advanced and outstandingly effective



anti-vibration system – just one of a range of innovative features that make them easier and less tiring to use.

For a copy of our new catalogue call us free today, quoting GKIS.

Or visit us at Saltex Stand D21.

**FREEPHONE 0800 137574.**

**Stihl Ltd, Department GKIS,  
FREEPOST, Camberley,  
Surrey, GU15 3BR.**



**YELLOW  
PAGES®**

[www.stihl.co.uk](http://www.stihl.co.uk)

**STIHL®**



**Address your letters to the Editor, Greenkeeper International, BIGGA HOUSE, Aldwark, Alne, York YO61 1UF. You can also fax them to 01347 833801, or email them to [reception@bigga.co.uk](mailto:reception@bigga.co.uk)**

## Take sensible precautions with pests

I would like to make a few points in response to last month's article entitled, 'Pesssst! Have you heard?'

Let me begin by saying that we fully recognise that golf courses have to deal with pests. That point is not in doubt. However, we should approach this sensitive issue with a degree of balance.

Firstly, it is vital that we correctly identify the pest and come up with solutions for specific pests. In drawing together those solutions, it is important to define what the parameters are for managing each pest.

For example, I was concerned that badgers were rather superficially mentioned in an article alongside rabbits, without recognising the huge differences in legislation and protection which applies to each species. Just to be clear, badgers are a protected species under the 1981 Wildlife and Countryside Act and the 1992 Protection of Badgers Act. Under this legislation it is illegal to wilfully kill, injure or take any badger or attempt to do any of these things. It is also an offence to intentionally damage, destroy or obstruct access to any part of a badger sett.

The article could also have put the damage caused by different pest species into context. For all the golf courses which will have badgers on or around them, how many actually experience unacceptable levels of damage in sensitive parts of the course? I appreciate they can cause damage, but it is perhaps wrong to give the impression that if there are badgers, damage is automatic, and that management requires total invertebrate control.

It was suggested that damage to turf could be controlled through the 'removal' of their food supply. This is perhaps unrealistic and could be a very expensive exercise - attempting to remove the huge range of invertebrates found on a golf course. Furthermore, badgers are true omnivores, feeding on a wide range of plants, invertebrates and other mammals. They even feed on young rabbits during the Spring. Spraying, on the scale required, would not only be costly, it would have knock on effects for other non target species, many of which may be beneficial to turf health.

In a time when golf is attempting to demonstrate concern about the environment and undo some of the bad press it has been getting, I think we should be carefully assessing whether pesticides, and particularly insecticides, are required at any given time, and if a greenkeeper feels they are necessary, how can their use be minimised. Clearly, setting a threshold for pest damage is one way in which applications can be minimised and potentially needless expense saved. Spraying on the basis that something might happen is not a good generalisation to make.

Yes we need to control pests on golf courses, but let us make sure that management of pests is sensible, based on sound understanding of each pest. Above all, control should be effective and efficient. If this is the case pest control can be carried out without wasting money, and without needlessly damaging the environment.

**Jonathan Smith**  
 Golf Course Wildlife Adviser

## Bio research: There's a lot of it going on

In your article in the June edition of *Aventus* it was mentioned that *Aventus* is the only company in the UK conducting research into new products for sports turf.

Actually there is a thriving commercial research community combining UK companies and university and college research.

Symbio, which incidentally is celebrating its 10th anniversary in August, was

the first in Europe to research, develop and launch a range of biological solutions for sports turf management. We have a link with the University of Surrey, and two full time research staff on product development.

Symbio was the first company to introduce the concept of adding specially chosen bacteria and fungi for improved nutrient uptake. We then developed and launched biotech solutions for thatch

reduction and black layer treatment. In 1997, in research sponsored by Symbio with the University of London, we identified the link which shows how increased mycorrhizal colonisation can reduce the incidence of poa annua.

Our ongoing research is focussed on the use of biotechnology in integrated disease and pest control.

**Martin Ward, Symbio**

## Fungicide application rates. How much?

I am sending this message to correct a couple of passages published in the talking heads article July edition. The article read that I applied 200 litres of fungicide a month which has been reduced to 70 litres a month. The message I tried to convey was that in my first two years at Downfield we used 200 litres of fungicide based on 20 litres per application, however, over the peri-

od of the last two and a half years we have reduced this to 70 litres in total. At Downfield we have worked very hard to reduce our chemical use through sensible cultural practices, and I feel that the decrease in our use of fungicides has highlighted our sound management.

In the case of the St. Marks fly, I mentioned that it had the characteristics of a disease at first with severe

browning of the turf but this was isolated to small areas of tees and fairways. In fact, it is an insect that eats away at the roots of the grass plant, eventually leaving it discoloured. I hope these corrections will keep environmentalists and salesmen at bay.

**Paul Murphy, Course Manager,**  
 Downfield GC, Dundee, Via email



# PHOTOCAST TEE SIGNS

By  
**EAGLE PROMOTIONS**

Scorecards • Course Measurement • Yardage Books • Tee Signs  
Event Boards • Leaderboards • Notice Boards • Bag Tags • Green Fee Tickets  
Call Philip McInley on : 01883 344244  
email us: eaglepromotions@compuserve.com

visit our website @ [www.eaglepromotions.co.uk](http://www.eaglepromotions.co.uk)

## Sad passing of Jimmy Coffe

Jimmy Coffe died in Stobhill Hospital in June. He was 75 years of age.

In years gone past he was a staunch member of SIGGA. After many years of service on the committee of the West Section he was elected Chairman where he had a happy and successful time.

Jimmy started his working life as a greenkeeper under his father, Bob Coffe, at Balmore Golf Club. The war intervened and Jimmy joined the Royal Navy where he rose to the rank of Petty Officer and saw service in the Far East. On return from war service he again took up his position at Balmore. After a short spell he applied and secured the Head Greenkeeper's job at Kirkhill. He had a few years there before his father retired from Balmore Golf Club and Jimmy was requested to go back as the Head Greenkeeper. This he did willingly and spent the remainder of his working life at Balmore until his retirement in 1990.

One of Jimmy's greatest loves was the study of nature. There was not a

bird, flower, tree, beast or fish that he did not know. In his younger days he was a fair golfer and picked up many prizes at our golf outings at a handicap of six. He was especially fond of fishing and travelled all over Scotland fishing many of the salmon rivers and lochs.

Like most greenkeepers he enjoyed his work. Together with his duties as Head Greenkeeper he ran the Pro shop at Balmore. Often over a dram, he and I would discuss our relative courses, and, as the evening went on, we always came to the same conclusion - what lovely courses we would have without the golfers.

I will remember Jimmy either on some well stocked salmon river up to his haughs, or wandering up some Highland burn looking for deep pools where the trout were lying.

Jimmy is survived by his ever caring and loving wife, Marian, and his son Robert and family. All of us who knew Jimmy extend to all his family our sincere condolences.

Cecil George, Lenzie

## Is there help at hand?

I obtained your email address through the BIGGA website and have taken the liberty of contacting you in the hope that you may be able to help me.

My name is Michael Harris and I am 23 years old. I currently live in Lesotho, Africa and would like to move to the UK to further my career. Last year I studied and passed a course in Sports Turf Management through the auspices of the Pretoria Technical College (Technikon) in South Africa and during this period I held the position of Assistant Greenkeeper at the Services Golf Club in Pretoria.

I believe it would benefit me greatly to gain more experience in the UK as either an assistant or apprentice on one of your courses or any other sports turf related facility.

I would greatly appreciate it if you could give me the address of anyone who might assist me in achieving my goals.

I am a British citizen and hold a British passport.

I thank you in anticipation of your assistance in this matter.

Michael Harris  
Email: [terryel@ilesotho.com](mailto:terryel@ilesotho.com)

## Worrying: Duguid legal case

Thursday June 1st will long be remembered by Dougal Duguid, his family, friends and greenkeepers worldwide. Common sense prevailed, a man and his family were able to breathe easily again and a profession was left to ponder what will come next.

It is unfortunate that we live in a society now where litigation is a growing trend. Just listen to the radio adverts that openly encourage people to sue and it is worrying.

As a colleague who knows Dougal from my visits to Harrogate, I congratulate him on his success and wish him and his family happier times than they have had during this long and worrying case. We must all learn from this case and its serious implications, even though Dougal rightly won. As he said, what if...?

Alexander McCombie  
Parkstone GC, Poole, Dorset  
Via email







Above: Turf quickly established by incorporating ENVIGRO into the soil/root zone prior to turfing

# ENVIGRO<sup>TM</sup>

## THE HUMUS RICH ORGANIC FERTILISER

ENVIGRO is the new organic fertiliser produced by the rapid composting of nitrogen-rich manures and other organic materials. ENVIGRO can be used when seeding areas of very poor soil such as shale, and sand, so avoiding the need to bring in topsoil. A fine grade of Envigro is produced specifically for use on established turf on professional sports grounds.

**IDEAL  
FOR**

**INCREASING THE  
FERTILITY OF  
ROOT ZONES AND  
TOP DRESSINGS  
IF REQUIRED**

### A TYPICAL ANALYSIS

N-3.5%	P-2.1%	K-3.4%
ORGANIC MATTER 95%		

### TRACE ELEMENTS (PPM)

OCCURRING NATURALLY				
Mg-140	Zn-175	Mo-1.5	B-8.0	Cu-80

### MICROBIAL CONTENT

VERY LARGE NUMBERS OF MICRO-ORGANISMS ARE PRESENT (MORE THAN 1,000,000,000 PER GM OF FERTILISER)

### ADVANTAGES OF ENVIGRO

High humus, good water retention, no artificial chemicals, high microbial content, need only apply every 6 months, free-flowing, slow release, easy to use, available in various screen sizes, fantastic value.



"ENVIGRO made a difference within weeks - and the difference has lasted!"

Phil Siddle, Head Greenkeeper, Rossendale Golf Club (inset)

GROWING TRIALS PROVE THAT TURF TREATED WITH ENVIGRO OUT PERFORM THE REST

# ENVIGRO<sup>TM</sup>

THE HUMUS RICH ORGANIC FERTILISER

ENVIGRO will put life back into the soil through the naturally occurring fungi and bacteria it contains

For use in the construction, re-instatement and maintenance of tees, greens surrounds, approaches and fairways. Can also be used for any problem areas suffering to overplay, compaction or poor soil conditions.

**FOR MORE  
INFORMATION  
CALL FREEPHONE:**

**0800  
7313831**

**AND SEE THE RESULTS  
IN 2 WEEKS**

**VISIT US AT  
SALTEX  
STAND  
K24**

AND HAYDOCK PARK  
**STAND  
F24**



**Laura Knights, Environmental Health and Safety Facilitator at Textron, looks at the health and safety issues in the design and manufacturing of modern turf maintenance equipment and in the great number of safety procedures involved in making safe products...**



# Safety in numbers



**Above: The Unigraphics CAD system helps design safety features in the early stages of new product development**

With the highly competitive markets of today, the design of new machinery and the continued improvement of established models is all important to companies vying to remain in the forefront of the turf care market. Not only do products have to provide quality and functionality, they also have to be increasingly safe in operation.

With safety now high on the agenda and European legislation on machinery safety tightening, the designers and manufacturers of turf care equipment have to be ever tougher in incorporating all aspects of safety into their products.

Textron Turf Care and Specialty Products are one of the market leaders in the manufacture of turf care and grass cutting machinery with a UK manufacturing site based at Ipswich in Suffolk. As one of Textron's seven design and manufacturing Centres of Excellence dedicated to both the golf and municipality markets, we know only too well the tough stance needed on safety. We have been designing and manufacturing grass cutting machinery for the last 160 years and have witnessed the increasing requirement for safe machinery that must now comply with tough European standards.

The team of design engineers at Textron work to the principal British Standard on safety of lawnmowers (BS EN 836 : 1997 - Garden equipment - Powered Lawnmowers - Safety) when designing new products or bringing existing products up to the high level of both performance and safety that is now required and expected.

The process begins with the 'Product Definition' stage derived from the marketing side of the company. This stage charts the requirement for a new product to fit a market niche or for an existing product to be improved and is the birthplace of new



ideas. At this stage there are few safety aspects taken into consideration, as the key aim at this point is to identify and conceptualise potentially new or existing product development opportunities.

The 'Product Definition' will pass from marketing to the design engineers who really begin to move the project forward. They will effectively answer marketing's proposal by looking at the viability of the project, what can realistically be achieved and delivered whilst maintaining all the aspects of performance, quality and safety. If it is agreed that the project is viable and financially attractive then the design team will progress with the project plan and begin working through the design stages. It is at this point that the safety aspects come into play.

Working with the guidelines set down in BS EN 836 the conceptual, layout and detailed design stages will incorporate all the required safety aspects into the design or re-design of the product. The British Standard includes aspects on almost every conceivable safety issue including guarding, access to hot surfaces and power driven or cutting means (blades etc.), as well as the associated noise and vibration levels. It is fundamental that the stringent safety requirements are fully achievable in the final product and using the computer aided design (CAD) system 'Unigraphics', which is also used by the aeronautical industry, throughout the design phase means that these requirements are being realised at an earlier stage in the project. Previous-

ly, using traditional design methods, it was often at the later prototype stage that unacceptable safety issues became apparent. Now with the 'Unigraphics' system utilising 1:1 scale three-dimensional modelling, more of these issues can be identified and rectified at a much earlier, and less costly, stage.

Once the product has reached the end of the design stage the scene is set to begin the prototype work. Textron have in-house manufacturing and experimental production capabilities at Ipswich allowing the new or redesigned product prototype to be built on site. With the progression into the actual manufacture of parts and the building of prototypes the safety aspect of the project takes on a different twist; that of safety during production. Obviously health and safety not only applies to the machinery itself during its use but also there are safety implications to be taken into account during the manufacture of the machine. With any new production job there is the potential for unforeseen hazards. To help minimize these the project team is multi-disciplinary, with members of the manufacturing and assembly departments taking an active role in the pre-production stages to help identify and rectify any potential hazards in the production process. This along with Textron's strong stance on health and safety in the workplace means that the prototype can be made as safely as possible.

Full scale, fully functional prototypes will be built and it is at this point that the first part of testing and

approval for European and other legal requirements, including vital safety requirements, begin in earnest. The machine will undergo a rigorous testing regime by the in-house test team who look at safety aspects in line with British and European safety standards.

All aspects are covered including - guarding, rotating blades/shafts, safety signs/labels, hot surfaces, exhaust fume protection, noise and vibration levels and OPC's (operator presence controls) that prevent the machine being operated or continuing to operate in the absence of an operator. This series of tests will highlight areas of concern and a report detailing all the areas where further action is required is passed back to the project team by the test team.

This process will continue, with adjustments and improvements in the design followed by further testing, until all involved are happy and the machine meets all the stringent safety standards required.

Only when we're happy with the results of these tests, are the product prototypes sent for further testing in an end-user environment to further identify any issues on all aspects of the design, including safety. Following feedback from customer trials some further changes may be made but essentially the next stage will be to enter into pre-production. Again the safety hazards of production are reduced by the strong stance on health and safety taken within Textron Turf Care combined with the involvement of manufacturing personnel in the multi-disciplinary project team.

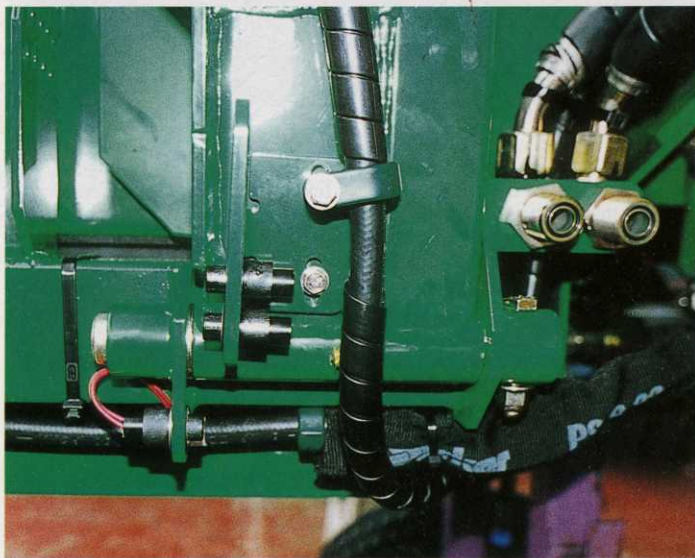
Before full production and product launch, all safety aspects relating to the use, maintenance and servicing of the machine have to be scripted in the accompanying technical literature. This gives the end user essential information on how to use and maintain the equipment including the operators handbook, parts and maintenance books, product service information, etc. In fact, everything that is required to ensure the safe use of the machine.

It is then time to launch the new product into the marketplace where the duties are handed over to the marketing department. Following the sale of the equipment the responsibility for safe operation transfers from the manufacturer to the purchaser and for readers this is the nub of this article. There has been stringent adherence to all the necessary guidelines, directives and legislation throughout the entire production process. The compilation of the operators handbook, service information

Right: New wheel lifts save technicians the task of lifting rim and tyre assemblies



Below: Operator presence control (OPC) prevent cylinders turning when lifted from the cutting position, thanks to proximity switches



and other technical literature is an integral part of that process, therefore it is essential that end-users not only read the information, but fully understand how the equipment can be used to ensure that it is operated safely. Our nationwide dealer network and our training department at Ipswich offer training courses to ensure that operators are fully conversant with all health and safety matters related to the safe operation of our equipment.

With standards relating to safety of machinery ever changing and tightening it is essential that companies pre-empt future new standards or legislative amendments. Two safety aspects where the law is set to tight-





en further are noise and vibration. Currently the legislation on noise states that machinery has to comply with certain set bystander and operator noise levels aimed at protecting the operator and people in the vicinity. However, stricter regulations look set to reduce these maximum noise levels further along with tightening the frequency of noise testing. Unlike noise, the current requirement on vibration levels dictates only that these levels have to be stated in the operator manual. There are no upper or lower vibration limits with which equipment must comply, only recommendations for the length of time a person should use the equipment. Again this looks set to

change with tighter regulations governing vibration in the pipeline.

It is the pre-empting of this type of change that allows Textron Turf Care and Specialty Products to remain ahead in the market. We are already anticipating and working towards these changes by researching all aspects of the products to further reduce noise levels, ensuring that they will meet the proposed stricter standards and looking at improved product design that will reduce vibration levels thereby ensuring that we are on top of any changes here. Safety is the number one priority at Textron and is incorporated into all aspects of our business ensuring that our products have safety built into them every step of the way.

# NEW TORO 'GT' PACKAGE\* MAPS-OUT YOUR CLUB'S IRRIGATION SYSTEM - HOLE BY HOLE!

*Developed to replace old Watermation TW and Toro SC controllers and make irrigation programming, operation and monitoring as simple as possible, the new Toro 'GT' Update Package provides on-screen map (or graphics) detailing every sprinkler on your course...*



*Now is the time to bring your existing irrigation control management system bang up to date. Consider the benefits offered by the new Toro 'GT' Update Package...*

- FULL VISUAL DISPLAY ● DESK TOP CONTROL
  - CONFIRMATION OF WATERING PROGRAMME
  - MONITORS WATER CONSUMPTION
  - MAP HIGHLIGHTS SPRINKLER MALFUNCTION
  - COMPATIBLE WITH MOST EXISTING SYSTEMS
- SAVING THE COST OF RECABLING**

In addition to providing the latest, simplified desktop control technology, the Toro 'GT' Update Package ('GT' stands for Gemini-Trident) enables you to exercise better flow management, the key to reducing water consumption. It also eliminates the risk of over-watering and ultimately, helps cut the cost of your club's water and electricity bills.

## TALK TO HYDROSCAPE NOW!

**HYDRO  
SCAPE**

The Hydroscape Group, Water House,  
10 Carvers Industrial Estate,  
Ringwood, Hampshire BH24 1JS.  
Tel: 01425 476261/2 Fax: 01425 472380

\*This offer of finance is for Private Members Golf Clubs and is subject to acceptance.  
Other low cost finance options also available.  
Please ask for details. Finance is arranged by UFB Groundscape Finance.



**BIGGA's Education and Training Manager, Ken Richardson provides information on Continuing Professional Development and BIGGA's agreement to sell Epani's OnCourse course management software**

# EDUCATION UPDATE

## BIGGA Mission Statement

"BIGGA is dedicated to the continuing professional development of its members and in serving their needs will strive through education and training for standards of excellence in golf course management throughout the greenkeeping profession".

BIGGA continues to support greenkeeper training, through its membership of the Greenkeepers Training Committee, by offering, amongst other things, training courses both in the Regions and at BIGGA House, by presenting Conferences, Workshops and Seminars and by running a lending library.

The Association does all of this to ensure that golf courses are maintained to the highest standards, to elevate the status of greenkeepers and to allow greenkeepers to be treated as true professionals.

Most professional associations have a system of continuing professional development and BIGGA is no exception.

## BIGGA Continuing Professional Development

Thanks to contributors to the Education and Development Fund, BIGGA is encouraging the Continuing Professional Development (CPD) of greenkeepers by the introduction of its free CPD scheme for members.

British greenkeepers have a wide range of qualifications, linked to the National Standards, from N/SVQ Level 2 to first degree. Research has shown that Britain leads the way in education and training provision for greenkeepers and BIGGA has been influential in developing training that is job specific, so improving the status of the profession leading to enhanced pay and greater recognition of its members.

BIGGA has provided and continues to provide a range of education and training opportunities which support professional development. Other training providers also offer a wide range of courses which can be used as evidence of Continuing Professional Development.

The BIGGA CPD Scheme has several benefits to its members and their employers. It will encourage greenkeepers:

- To adapt out dated skills
- To keep in touch with changes in legislation
- To show employers that greenkeepers are true professionals
- To accumulate evidence towards further National Qualifications
- To give greenkeepers a means of showing current and prospective employers that they have continued their education and training beyond a minimum level
- To update skills and knowledge on a regular basis
- To promote greenkeeping as a profession
- To give greenkeepers the skills to cope with change

A BIGGA Certificate of Continuing Professional Development will be awarded to those BIGGA greenkeeper members who accumulate 10 CPD Credits annually from July to June.

BIGGA greenkeeper members who have been awarded five successive BIGGA Certificates of Continuing Professional Development will receive a BIGGA Diploma of Continuing Professional Development.

The scheme runs as follows:

1. Greenkeepers must be members of BIGGA
2. A minimum formal qualification of N/SVQ Level 2 (or equivalent) is required to enter the scheme
3. The scheme runs each calendar year from 1 July to 30 June
4. Courses, seminars, workshops and training days are awarded CPD Credits
5. Each greenkeeper must accumulate 10 Credits per year to reach the standard

6. All those reaching 10 Credits in a calendar year are awarded a Certificate
7. If an individual achieves the requirement for five consecutive years they receive a diploma
8. All training must be related to National Standards

The types of training that attract CPD credits are:

- \* BTME Seminars
- \* The National Education Conference or Workshops
- \* Regional Courses
- \* BIGGA HOUSE Courses
- \* Short Courses (eg. tractor driving, chain saw, first aid, D32/33)
- \* Approved industry courses and workshops

All BIGGA members can apply to join the CPD scheme, simply by contacting Ken or Sami at BIGGA House and by proving they are qualified to N/SVQ Level 2 or equivalent.

Each applicant will be entered into the CPD database and will be issued with their own personal record of continuation training.

All courses, seminars, workshops and conferences promoted from BIGGA House will be eligible for the award of CPD points.

All other training providers may apply for their courses, seminars, workshops and conferences to be approved by applying to BIGGA House.

Members can then ask for credits to be awarded by providing a certificate of attendance to BIGGA House.

Credits will be entered into the CPD data base and certificates will be awarded when members reach at least 10 Credits.

A full list of education and training opportunities provided by BIGGA is enclosed with this magazine, in a booklet entitled Continuing Professional Development. If you have not received your copy or need further copies then contact BIGGA House.

## Epani Golf Course Management Software

Following a period of intensive development by Epani and BIGGA, OnCourse™ version 2.1 is now ready for delivery. Several golf clubs have 'taken the plunge' and bought their copy of this exciting management package. Designed by greenkeepers for greenkeepers, it makes the job of managing staff, machinery, time and the golf course less time consuming and allows you to print out professional reports.

Easy to use for anyone with a basic knowledge of computers, it needs a computer with a Pentium processor, Windows 95 or 98 or Windows NT. At least 16 Mb of RAM and 15 Mb Hard Drive space. A CD ROM drive is needed for installation of software and you need an SVGA screen.



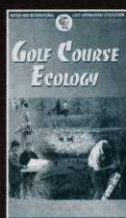
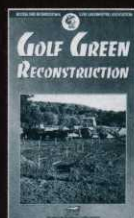
**OnCourse™**  
THE GOLF COURSE MANAGERS SOURCE  
OF ADMINISTRATIVE POWER!

The software package which includes full documentation, handbook, one year telephone support and one year of updates costs £800 plus VAT. Installation and training can be provided at £150 plus VAT.

Bring your course into the 21st century by purchasing OnCourse™ 2.1.

Order forms and demonstration disks are available from Ken or Sami.

## ON COURSE WITH BIGGA EDUCATION



**Golf Course Preparation Video**  
£14.95 to BIGGA members  
£29.95 to non-members

**Golf Course Reconstruction Video**  
£14.95 to BIGGA members  
£29.95 to non-members

**Ecology Book**  
£3.00 to BIGGA members  
£7.00 to non-members

**Ecology Video**  
£14.95 to BIGGA members  
£29.95 to non-members

**Raising the Standards of Mowing Management Video**  
£14.95 to BIGGA members  
£29.95 to non-members

**Setting the Standard in Spraying Application Video**  
£14.95 to BIGGA members  
£29.95 to non-members





## The Greenkeepers Choice...



### Top Dressings

- Combining technology and quality.
- All dressings are heat treated and mixed to specific requirements.

### Rootzones

- The perfect foundation for optimum growth.
- Quality is assured through on-site laboratory testing.



**800 TONNES AVAILABLE DAILY  
—  
DELIVERY WITHIN 24 HOURS**

BATHGATE SILICA SANDS LTD  
Ardid Quarry, Congleton Road, Sandbach, Cheshire, CW11 4SN  
Tel: 01270 762828, Fax: 01270 760557



# WEED FREE<sup>®</sup>

• Advice • Application •  
Supply • Training

DRIFT FREE Contract Spraying  
utilising our purpose built machine

## The SPRAYING MANTIS

Freephone: 0800 068 08 78

Fax: 07000 481022

Car: 0850 300104

Unit 14, Roundshead Drive, Warfield, Berkshire RG42 3RZ

WEED FREE is a Registered Trade Mark

*From September 2000, things are **changing**...*

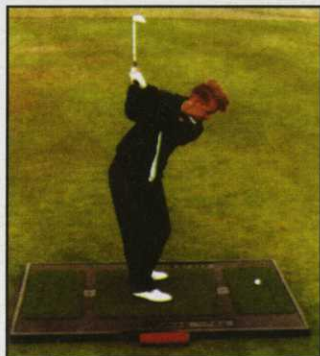


*...for the better.*









- ★ The Dunlop All Weather Mat System
- ★ The new Circular All Weather Mat
- ★ GM Flooring for all weather tees, pathways, patios, spike bars and changing rooms

ALSO PRESENTING

### DUNLOP WT3 ON GM INTERLOCKING PAVERS

The rubber pavers provide an exceptionally durable walkway, which is spike proof and noise free. For more information or a sample paver please contact our sales office.



### GM UK Ltd

42 Hillview Road, Southport, Merseyside, PR8 3PN

Tel: 01704 571271 Fax: 01704 571272

*Bank & Amenty Products Ltd.*

EST. 1961

### MANUFACTURERS & DISTRIBUTORS OF BULK MATERIALS FOR GOLF COURSE CONSTRUCTION & MAINTENANCE



### Nationwide Deliveries

20 & 25 TONNE LOADS

Tel: 01858 464346 / 433003 Fax: 01858 434734

# TEXTRON

## JACOBSEN

## GOLF

## RANSOMES

## MUNICIPAL

In the **GOLF** market, the brand is **JACOBSEN**, the colour **ORANGE**.

In the **MUNICIPAL** market, the brand is **RANSOMES**, the colour **GREEN**.

At **SALTEX 2000**, the place to be is **TEXTRON Stand V15**.

For **JACOBSEN**, for **RANSOMES**, for the largest turf care range in the business.

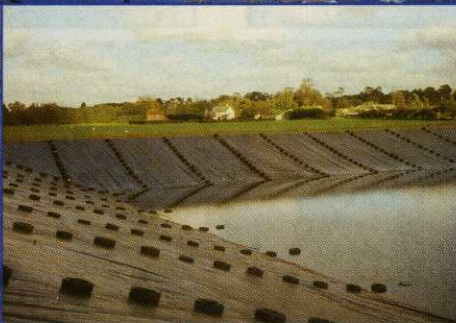


# LAKE LINERS

*Hanbury Manor Golf Club: Reservoir Liner*



*Donnington Grove Golf Club: Pond Liner*



*Frilford Golf Club: Irrigation Reservoir Liner*



*Aroeira Golf Club, Portugal: Lake Liner*

- We provide high performance polyethylene liners to fully waterproof your proposed reservoir, lake, pond or similar
- For your assurance, our site installation works, which are

undertaken nationally, are covered by warranties

- If required, we can supply fabricated liner panels for your own installation

- Our lining systems are used in the refurbishment of existing water features which leak

- We advise on all preparatory and finishing earthworks required



**GEOSYNTHETIC TECHNOLOGY LIMITED**

Nags Corner, Wiston Road, Nayland, Colchester, Essex CO6 4LT

Tel: 01206 262676 Fax: 01206 262998

Email: [sales@geosynthetic.co.uk](mailto:sales@geosynthetic.co.uk) Website: [www.geosynthetic.co.uk](http://www.geosynthetic.co.uk)



Scott MacCallum visited two of the finest clubs in Northern Ireland and found courses at either end of the spectrum...

# Different Strokes

## Malone GC + Royal County Down

Photography: Brian Morgan



It was interesting watching Wimbledon recently and the remarkable feats of Pete Sampras winning his seventh singles title and a record breaking 13th Grand Slam title in all.

Despite this, he has not completed the set of Grand Slam titles and the chances are Sampras never will.

Very rarely does a great grass court player have the skills required to win a clay court Championship and vice versa - Andre Agassi being the most recent notable exception - and it got me thinking about any possible similarities in golf.

In the main golfers can win on any type of golf course and you don't get parkland, links, American-style or heathland specialists. Having said that, Seve Ballesteros was never likely to win a US Open, which is known for its tight fairways and penal rough,

while Colin Montgomerie has more chance of winning that particular Championship than the Masters which requires an almost superhuman touch around the greens and deadly putting stroke on them, but in discussing these we are looking at the extremes.

No, the real specialists in golf tend to be the people who look after the courses with parkland Course Managers and links Course Managers tending to stay on their own familiar turf.

Graeme Wylie and Alan Strachan work about 35 miles from each other on Malone Golf Club and Royal County Down Golf Club respectively and, while they are both greenkeepers, the work they do couldn't be more different.

For Graeme, presentation is the key

and his course is a perfectly manicured example of what can be done and a worthy holder of the unofficial title "Augusta of Northern Ireland." Alan sets about his job in a different way to create perfect links conditions using simple course management practices and ensuring as natural a look as possible.

It really does typify all that we enjoy about the game of golf. Let's face it the difference between a grass tennis court and a clay court is the colour and the speed the ball leaves the surface, the dimensions are identical while no two golf courses are anything like the same.

Graeme and Alan, and their respective teams, do exceptional jobs in very different ways and highlight just what a diverse game golf is.



# Malone GC



It is not until you turn off Belfast's Malone Road and into the long drive which takes you up to the clubhouse that you appreciate just what a magnificent setting Malone Golf Club enjoys, and what a fine golf course the members have.

True, the club is regarded as one of the most prestigious in all Ireland while the course has been ranked as high as 14th in the list of top inland courses in the world but perhaps it is its location, just a few miles from industrial Belfast, which makes the sheer beauty of the place such a pleasant surprise.

Dominating the course is a 33 acre trout lake which, in addition to offering fine sport for the club's angling section, is a strategy-influencing potential hazard on a number of holes.

The man with the onerous responsibility of looking after a course that carries the unofficial title of "The Augusta of Northern Ireland" is Graeme Wylie, who also finds time to be Chairman of BIGGA's Northern Ireland Section.

This is a man for whom the need for attention to detail is second nature while customer care is of equal

priority - after our meeting he went off to find a lady member's Gucci handbag which she thought she'd lost out on the course.

"We have a reputation to keep up and I don't want anyone coming here and finding fault with any aspect of the course, or visitors feeling that they had not had their money's worth," said Graeme.

To highlight the point he explained some of his philosophy on presentation.

"It is extremely important that whenever anyone comes here they see high presentation. They come up our lime tree avenue and see nice striped fairways, they see lovely shrubs in flower around the clubhouse and no weeds. Everything must be tidy and brushed clean. It gives an overall impression whenever you arrive and this sets the standard for the whole course.

"You could have the back nine looking fantastic and maybe some of the first nine but, unless the 1st and the clubhouse are good, the first impressions would be of a scruffy golf course," said Graeme, who also has responsibility for the other nine holes and the club's bowling green.

While such a philosophy is one he would share with his opposite number at Augusta National the comparison between the two clubs has a lot to do with the overall look

of the course - number of rhododendrons and the similarity of some of the lakeside holes.

In fact, Graeme cleared many of the rhododendrons from the side of the 18th hole so that the lake was visible to the golfers when playing the hole.

Graeme also feels that the membership does seem to embrace the American influence.

"In the early 80s some of our members visited the States, some perhaps even visited Augusta, and they brought ideas back as to how to improve Malone. I noticed when I took over that a lot of things had an Americanised feel. For example the







use of a lot of American golf course accessories. The pins and cups are not of the traditional UK type. The pins are the big fat ones you get in the States. They are fibre glass and tend to chip easily and don't look good when painted so we have to replace them fairly often."

The element on which most golf clubs are judged is the greens and at Malone they get the highest priority of care in terms of maintenance and presentation.

"They go through a programme of their own and are always hand mown," he said.

The general maintenance of the

course goes through the Malone "housekeeping" practices and is subjected to the formidable "attention to detail" regime.

"The guys out on the course are the eyes and ears of management so if they see something is not right they report it to their supervisor who writes it down and ensures that something is done about it before a member reports it.

"For example, divots should be picked up and litter bins emptied while if there was a broken limb on a tree it would be reported back and a guy would go out with a chainsaw either later that day or first thing in

the morning. There is nothing worse than a member coming to tell me that a job is needing doing."

Graeme feels that the priority he places on presentation stems from his time working at Gleneagles.

"Around the clubhouse you'd see film stars and footballers and you knew that these people were paying to play the course and, in effect, were paying our wages. The worst thing that could happen was that these people would complain about something. It comes right down through your Head Greenkeeper back to yourself and you feel that you haven't done your job correctly," said

Graeme, who in his two and a half years at Malone has been able to instil that same sort of feeling with his staff.

"Gleneagles is a five star resort and I look upon this as a five star golf club. There is a lot of competition between golf clubs and between greenkeepers and I would not have applied for the job if it was not for the fact that Malone Golf Club has a reputation for being the number one parkland course in Northern Ireland.

He is also pleased that he is given the authority to do the job as he sees fit.

"You are put in here to manage and



as a manager you get the resources to do the job on a different level to most in Northern Ireland. I would say there are maybe only three or four clubs in the north which would be at a similar level. Working here is certainly the pinnacle of my career."

Graeme was particularly pleased when he took the job at Malone to find out just how pro-BIGGA the club was.

"One of the questions I was asked was what are my views on further education and training and how would I go about it. They were wanting someone who was going to be enthusiastic

and wanted to train staff," said Graeme, who added that since then two of his team, with over 40 years experience between them, had become involved in education for the first time since starting work at the club.

"The club contributed when I asked them for a donation towards the BIGGA HOUSE fund while they also pay the membership fees of every member of staff."

Graeme brought to Malone a practice that he had started at his previous golf club.

"Greenkeeping is an outdoor job and all greenkeepers tend to get

hungry so the best way to treat a greenkeeper is to fill his belly. I brought in the Captain's Breakfast for Captain's Day and organised club breakfasts for the other occasions when we've had big events and the men have been in from 4.30am. When I put the call out it is usually a full house and the men are sitting down to a fry around 9.30, when all the morning duties have been done."

It was also pleasing to read the fact that former Head Greenkeeper, Jim Bridges, played in the inaugural four-ball when the club relocated to its present venue in 1963. Jim was also





elected an Honorary Member of the Club and when, in 1972, he celebrated 25 years in greenkeeping, the course was closed until 12.30pm as a mark of respect.

He was succeeded by Jack McClinton, who took delivery of the club's first triplex greens mower in 1973 for a cost of £2,300 which enabled all the greens to be cut in a morning. Jack's successor was Frank Ainsworth who took over in February '83 becoming only the fifth Head Greenkeeper in the club's history.

Malone's approach to their greenkeeping staff is being followed by an increasing number of Northern Irish golf clubs with the new BIGGA Section growing in size.

"It speaks for itself. We've now got over 70 members and we had a successful seminar at Greenmount College in 1998 and now two years on we are going to have another on this October, all being well. The speakers are confirmed, most of the sponsorship is in place and it will complement the winter educational evenings and golf days we already hold," explained Graeme.

"The main thing for the members of BIGGA is the professionalism of our Association. It stands to benefit every single greenkeeper that they are in an Association which the golf clubs recognise.

"Since both Sections amalgamated we now have a good strong committee with five officers and five deputies. The main thing is not to become stale and we need to keep the young blood coming through in the Association so that when they come in at the bottom they know that they can work their way up and get there eventually."

Looking ahead at Malone, Graeme is already licking his lips at the prospect of working with the golf course architect on the redevelopment of the 14th and 15th holes while another project they will be tackling is the building of the new maintenance facilities.

"Our present site is a lovely location but I'm well aware of the fact, as is the club, that we are growing by the year with our fleet of machinery and storage is proving a problem and our workshop does need to be brought up to standard.

"It is hoped we will move down beside the bowling green with the present site perhaps being used for dormy or town houses. That would also be good in-built security for the club having people around at night."

Spending time with Graeme it is difficult not to find his enthusiasm rubbing off on you and can easily see why he has risen to one of the top jobs in Northern Ireland and within the Association.

Oh, and the Gucci handbag problem was resolved. It had fallen into her golf bag.









# Royal County Down

Royal County Down is widely regarded as one of the top golf courses to be found anywhere. In fact there are many sane judges who would place it top of a pile containing every course which had ever been built, while many of the top golfers in the world make a pilgrimage to the little town of Newcastle, 30 miles south of Belfast, just to play the course.

It is easy to see why. It provides links golf at its absolute best and when your golf is not up to the task you can wallow in some of the finest scenery in the shape of the Mountains of Mourne. They cause many otherwise focussed players to walk down fairways backwards rather than miss any opportunity to enjoy the views.

The man in charge of maintaining the course and making himself immune from the distractions of one of the most beautiful locations in the world is Alan Strachan, a Scot whose CV contains other such illustrious links courses as Montrose, Royal Dornoch and Carnoustie.

"There are so many reasons why you can see that it is placed so high in these rankings. Obviously you've got the scenery; you've got the length - it is 7100 off the backs with a par of 71, while the greens are small and shed off which, in a sense, is quite similar to Dornoch which also has plateau greens," explained Alan.

Alan has been at the club for five years now and in that time has maintained and, when needed, enhanced the traditional approach to the game that links golf courses represent.

"We like to keep the place as linky as possible. Like golf in the old days when the grass was cut with gang mowers and they couldn't have undertaken all this fancy mowing practices that can be done now. They just went round the green with the

gangs and this encouraged the ball to run off the green and go into areas where the golfers didn't want to be. Having said that, if they missed the green they should have the opportunity to use the putter to get back on. To me that is links golf," said Alan.

His course management practices are out of the same mould.

"My philosophy is to keep it simple.

Very, very infrequent fertilising, a lot of top dressing and very little water. Simple things, but an awful lot of people can make mistakes and change what I think are some of the most valuable golfing assets we have in Britain. We have so few links courses and we really want to look after them and not see them change," said Alan, 33.

RCD is tough. The course record is 66 which, bearing in mind the quality of the players who have tackled it, says much for the quality of its defences.

"When we had the Amateur Championship here last year we had very calm conditions on the first day and the best score was 68 then, on quite calm conditions the next day, it went up to 73. It was tough," he revealed.

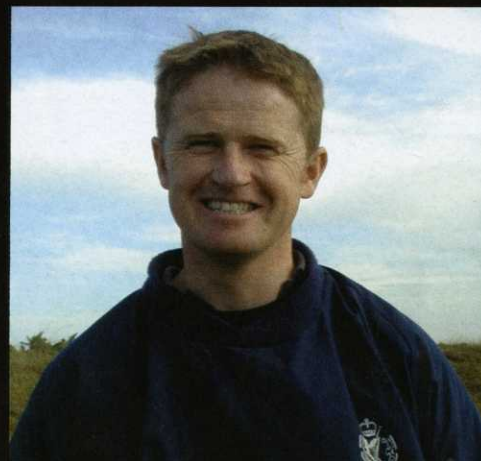
Outside of the surrounding scenery the one thing that would really identify Royal County Down is the bunkers.

"The bunkers here are unique," explained Alan.

"Having come from the east coast

of Scotland where it was all revetting it was quite something to be faced with marram, heather, gorse and so much lovely colourful vegetation coming out of the tops of these bunkers.

"I can picture the sheep and the rabbits cowering down into the dunes and creating these bunkers," said Alan, who revealed that it is written



into the RCD policy that the style of the bunkers will never be changed.

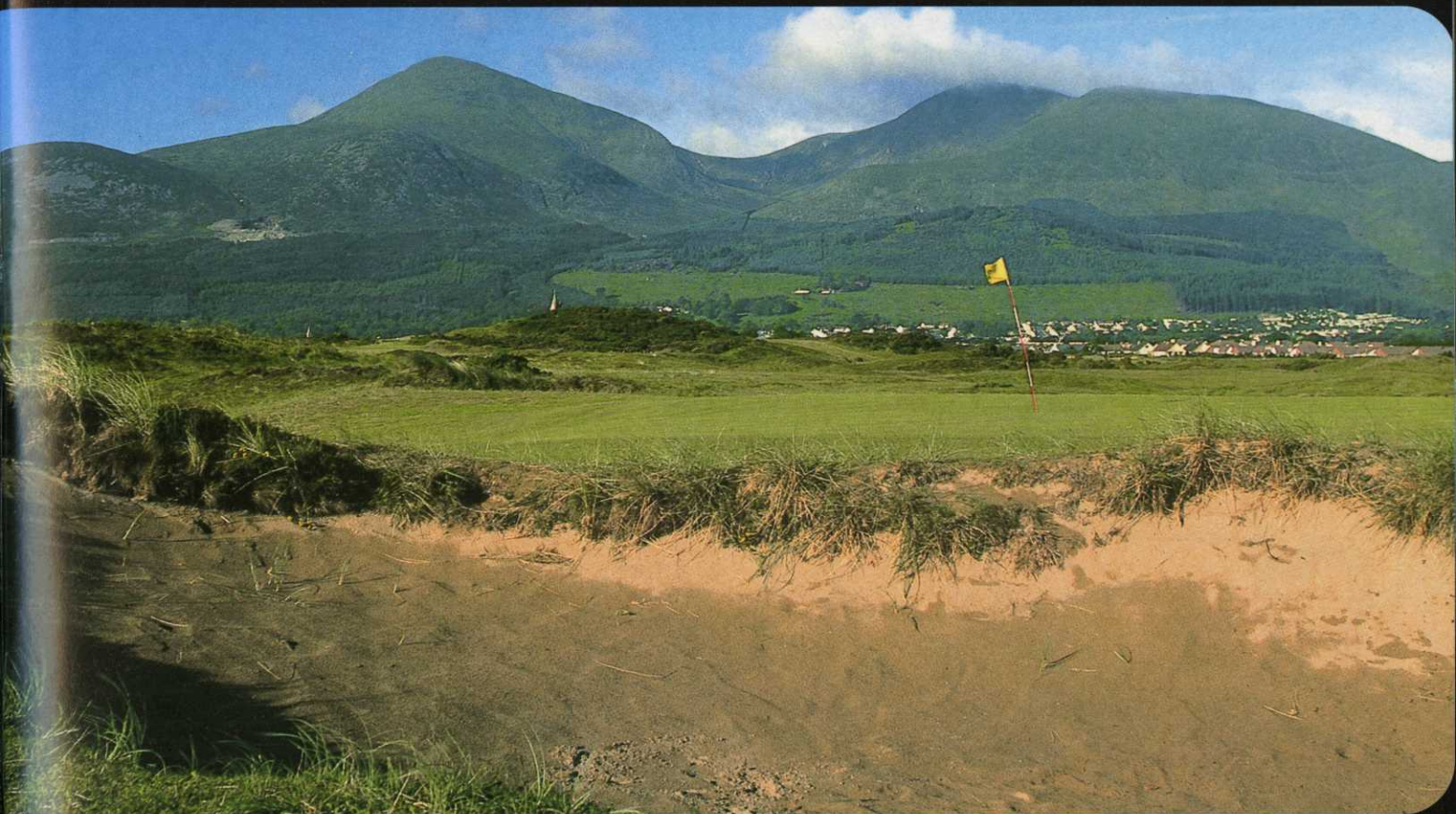
They do, however, cause Alan and his staff headaches.

"Because they are not built and designed like a revetted bunker, which are built to retain the sand, the sand blows everywhere, particularly as our sand particles are very fine. Any wind blow at all creates overhangs so an awful lot of sand shaping is required. It is a weekly thing and we have guys out with shovels all the time. What you gain in time not doing the revetment you lose through having to do so much sand shaping.









With such natural bunkers it does beg the questions how do they go about building new bunkers or rebuilding existing ones?

"Since I've been here it has been a bit of trial and error. They hadn't built any bunkers here for a long time before I arrived so we played around really. We dug up cubes or material from heather and marram areas, like bricks really and built up a wall with these. I suppose you could call it revetting after a fashion," he explained.

"The trick is to make it look natural when it isn't. Donald Steel, who does work for the club, was delighted with the results we got. He drew them on paper for us and then left it to us and he was very happy with the bunkers and the shaping."

Two other issues which occupy much of Alan and his 16 man team in their efforts to maintain not just the world famous course but also the little sister Annesley course as well is the gorse and the courses' very shallow root zone.

"The gorse is definitely the main problem at Royal County Down. Sixty years ago we had no gorse and now we are overrun," Alan revealed.

"We would never want to eradicate it all but what happens is that the gorse kills the heather. What we are trying to do is create a gorse line so we'll manage these areas and not let them go out of control. The other areas we will try to wipe out.

"We are currently in the process of looking at the best eradication. We've tried chemical but generally it comes back again so I think we're going to have to take the bull by the horns and do what Ian McMillan did at Hankley Common and just root the whole place out."

Alan sees this as one of the main priorities the golf club has to deal with in the next few years.

"The club is so traditional that they want to get back to what it was like but it will be a long process turning what is gorse land back into heather land."

To alleviate the problem of the shallow root depth the club undertakes an extensive overseeding programme every autumn.

"If any drought comes along it just wipes out the plant so we have our overseeding programme which will be helped by the club's decision to install a new watering system to help bring on the young seedlings. It is just a maintenance tool for us. I'm looking forward to it going in as it will transform some parts of the course in the right way and not transform anything else. At some of the far holes the water pressure of the current system is very poor and we don't get sufficient coverage on the middle of the green. You can see a general thinning out of the sward which in turn allows the meadow grass to establish."

As an additional aid to improving the turf quality Alan has brought in a turf nursery.

"We introduced it for patching purposes and we have different types of seed - fairway, tees with a smooth stalked mix through it which takes the wear very well and some rough mixtures."

As well as course maintenance practices Alan also made changes to some of the other working practices at the club.

"When I arrived the boys were starting work at 8am when there were golfers out on the course before them. I wasn't used to this so I changed it so that we started at 6am and got the club to move tee times back to 8am from 7am so we had a two hour window to do our early morning work."

"The last thing you want is to have machines buzzing around golfers when they've paid £80 a round. We want them to go away having really enjoyed the product because it is a business now isn't it?"

Having tackled the Amateur Championship last year, by the time you read this, Royal County Down will have hosted the British Seniors Championship - the club's first professional event for 50 years.

"I did feel pressure on the run up to the Amateur but we had a great spring and I was very happy with the

course and I'm lucky that I have a really good staff to rely on."

The quality of the course was highlighted last April during the Masters when Steve Rider, interviewing Graeme Storm, the Amateur Champion asked him if he'd been frightened by the speed of the greens. Graeme said not really because he'd played on faster at Royal County Down.

"The greens were very fast then - 11.5 in the early morning and through the day they got faster than that. We are fortunate that the greens are sheltered and as long as the pin placements are sensible we can make them fast," said Alan.

With the best amateurs enjoying the RCD hospitality last year Alan is looking forward to the visit of the best seniors.

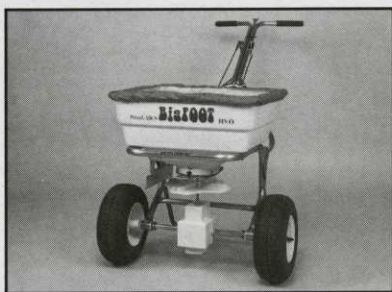
"It is a much bigger event than the Amateur. They are talking about 5,000 spectators per day and there will be a large tented village and cameras on every hole. I went to Portrush to get a feel for the size of it last year," said Alan, who added that the club had the Championship for two years.

It can only be good news that a course such as Royal County Down is being utilised as a venue for some of the major events on the calendar and in Alan Strachan and his team looking after it the course will always be at its natural best.



## PrizeLAWN BioFOOT™ HVO

- The only dual application fertilizer spreader available.
- Converts from fertilizer to High Volume Output in seconds.
- Great for PennMulch™, limestone, icemelt, and topdressing.



PSB Company  
555 W. Goodale St.  
Columbus, OH 43216 USA  
Phone: (001) 614-228-5781  
Fax: (001) 614-221-9398  
Spreaders@psbcompany.com  
www.PSBCompany.com

*Distribution available in other countries.*

**CALL, FAX OR E-MAIL FOR DETAILS**

## Brian D. Pierson

THE GOLF COURSE BUILDER



PROJECT MANAGEMENT  
BASED ON 30 YEARS EXPERIENCE

CONSTRUCTION & RENOVATION OF 250 COURSES

PROJECTS 1999–2000

Skibo, DORNOCH

Stifland, GERMANY

Craigielaw, EDINBURGH

The Bristol Golf Club

Stapleford Park, Leics

Carnegie Abbey,

RHODE ISLAND

Cherokees Plantation,  
SOUTH CAROLINA

32 New Road, Ringwood, Hants BH24 3AU, England  
Tel: +44 (0) 1202 822372 Fax: +44 (0) 1202 826447

## “ZeoPro”™ Space Age Golf Greens



### Nutrient Loaded Zeolite Turf Amendment

- Fastest greens establishment: repeatedly proven in University and USGA research and by satisfied users
- Outperforms zeolites, calcined clays, porous ceramics, diatomaceous earth, and organics
- Speeds core hole & divot healing
- Protects environment from nutrient losses
- Permanent CEC improvement: 3 to 20 times higher than other amendments
- High efficiency ion exchange nutrient delivery, built-in N, P and K

### Bioseed Probiotics

Tel: 01747 852771 Fax: 01747 850266

## AFT<sup>45</sup> MULTI-PURPOSE TRENCHER

**FOR COMPACT TRACTORS FROM 20HP.**  
Specifically designed for use on sportsturf, it can be fitted with various digging chains or a high performance slitting wheel.



The optional soil clear-up system folds up for easy transport.



**Affordable, perfect drainage, cable laying etc.**  
**A.F. TRENCHERS LIMITED**

Tel: 01787 311811 Fax: 01787 310888

E-mail: info@trenchers.co.uk • Web site: www.trenchers.co.uk



Roland Taylor examines what it takes to produce and maintain water features

# Splash of colour



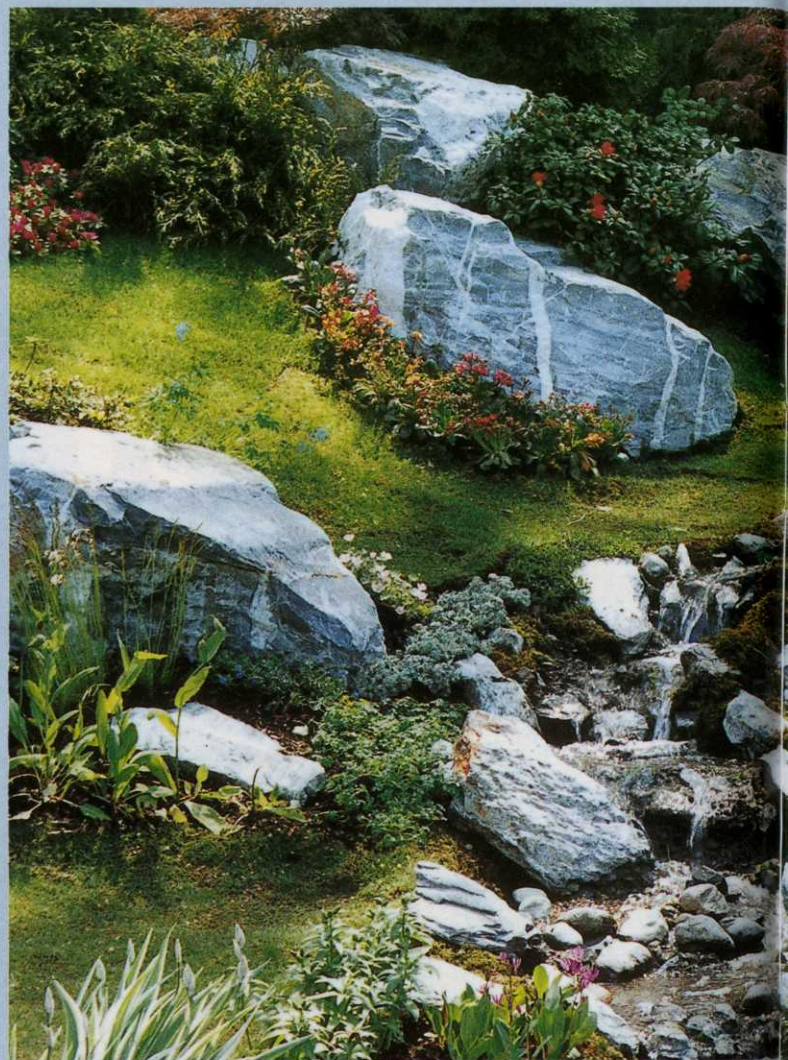
For many courses, especially those built in the last two decades, water features form an integral part of the design. They require a management programme similar to the rest of the course if they are to thrive and look good. Ponds, lakes, streams, ditches and any other areas of water, if left become clogged with silt, overgrown with vegetation, or turn into a stinking morass.

Often this is not Nature's fault but man's inconsideration of the environment. When areas of water are well managed and sympathetically landscaped, they enhance the surrounding area. The reflective qualities of an expanse of water will set off a green and its surroundings to perfection. With all the effort that has to go into maintaining the greens, tees and fairways it is little wonder

that other things that go towards making a course stand out are low on the list. Today's golfers are spoilt for choice and the surroundings can be a significant factor in deciding where they will play. Everyone has seen the change in the appearance of courses that television coverage has brought.

A great deal can be done to enhance the appearance of a course. This should not be dismissed. Top of all





greenkeepers' lists are obviously the playing surfaces, but the public are now very aware of their surroundings and what the eye beholds plays a significant part in their relaxation and enjoyment of the game. In some cases it determines whether they return or rejoin a particular course or club.

Landscaped water can add to a course's image. Its reflective qualities alone will transform an area. Add a fountain to an expanse of water and it suddenly becomes alive with movement, light and sound.

By putting a series of dams in a natural watercourse shallow and deep pools are formed. In these can be positioned boulders, stones and plants, plus a well-designed bridge spanning it and an area of tranquillity for any frustrated golfers is created. Dreary ditches are transformed by selective planting of marginal plants. These will add splashes of colour throughout the spring and summer. For lakes and ponds there are now plenty of highly colourful water lilies to choose from. Their leaves act as shades against sunlight and will help to reduce algae growth. They need to be planted away from fountains or water falls. Marginal plants such as sedges and iris, especially the variegated forms give another dimension to the horizontal plane of the surface. Hostas come in a variety of greens and yellows, and when planted with ferns provide effective ground cover

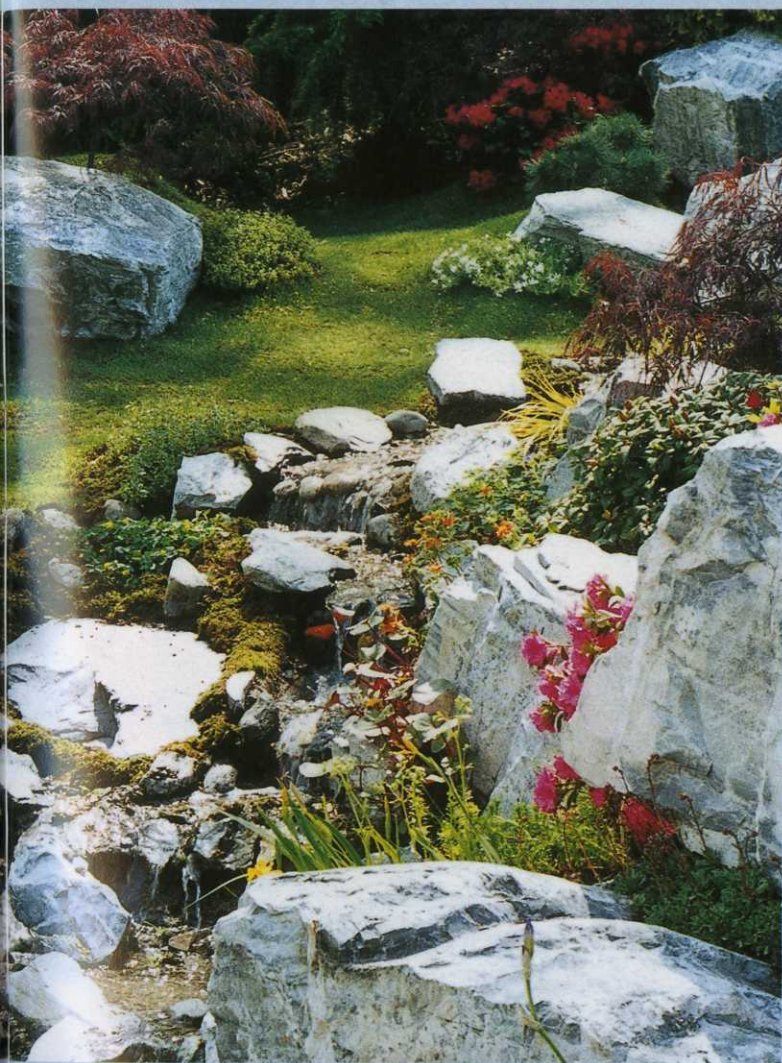
on banks throughout the summer. In the margins, groups of candelabra primulas and astibles will add splashes of colour.

Using a combination of royal fern (*Osmunda Regalis*) and the shuttlecock fern (*Matteuccia Struthiopteris*) can create a dramatic effect. Add to these a backdrop of the giant gunnera (*Gunnera Manicata*) and the effect is outstanding. Bamboos can also be added as they give movement and texture while acting as a screen.

If the soil is acid then for really big displays you would go a long way to beat rhododendrons and azaleas. Their reflected blooms in a pool in spring and early summer will be a talking point in the clubhouse. Likewise, acers in autumn put on a fantastic display and for winter and spring there are the willows (*salix*) with their attractive barks and catkins. The list is endless and for readers considering planting it may be worth consulting either a professional landscaper or reputable nursery. Both can recommend the most suitable for the soil and conditions the plants are to be grown in.

For many golfers the course is not just somewhere to play the game, it is a haven in which to relax from the stresses of modern life so the surroundings are important. Like every other leisure pursuit, golf operates in a highly competitive marketplace and many courses continually have to attract new play-





ers. Highly visual water features and colourful plantings not only look good in a leaflet they can also be a major selling feature.

#### Water Management

For any water features on a course to remain healthy and looking good requires knowledge of what goes on in the murky depths.

In this ecosystem there is a fine balance and the slightest change can really alter things drastically. The main reasons for a problem occurring are generally attributed to changes in temperature, nutrients or oxygen levels.

Where water is poorly managed, the knock-on effects soon become obvious.

**Plant and algae growth increases rapidly**

**Irrigation systems and pumps have to be continually cleaned**

**The volume of water drops as sludge builds up on the bottom**

**The shimmer on the surface disappears and it smells**

Another sign that there might be trouble afoot is an infestation of insects.

No two ponds or lakes are the same, so what is affecting one might not be the reason why another is deteriorating. Whilst there are control


methods for all these symptoms they are often only temporary, so it is important to identify what the cause is. At this point it could be worth calling in an expert - a limnologist (the equivalent of an agronomist).


If the water quality is to be maintained, it is essential a management programme is implemented because, like greens, there are certain operations that need to be carried out regularly.

An area of water is like a dustbin. Over a year large amounts of material are deposited and accumulate. These include grass clippings, seeds, soil, leaves, dead plants and animals, chemicals and fertilisers. While this ecosystem has methods of dealing with this decaying matter, there is a point when it becomes over loaded and things start to go wrong.

Plant and algae growth can be kept under control by using weed harvesters, rakes and some form of covering, such as polythene (Benthic barriers) over the bottom of the lake or pond. If large amounts of sludge and nutrients have built up the only answer is to call in a dredger. Both these operations are only treating the symptoms not the cause.

An alternative form of control is using chemicals and this is more popular because it is a relatively quick operation. However this kills off plants and algae, which sink to the bottom where they start decomposing, oxygen levels are reduced which,








**Club Car**  
Performance Utility Vehicles™


MAKING IT EASIER... TO WORK HARDER.

Durability. Versatility. Power.

They are the three things you can expect from a Club Car Performance Utility Vehicle.






**GOLF CAR UK**


Your Golfing Partner

Golf Car UK Dunmore Court, Wootton Road, Abingdon, Oxfordshire OX13 6BH


**CALL THE PERFORMANCE UTILITY VEHICLE HOTLINE: 01235 537575**



AERATION CLEANSSES  
LAKES NATURALLY



Aeration, or more specifically Otterbine Aerators, (illustrated above) provides today's answer to water quality management. For details talk to the specialists -



The Hydroscape Group, Water House, 10 Carvers Industrial Estate, Ringwood, Hampshire BH24 1JS.  
Tel: 01425 476261/2 Fax: 01425 472380  
sales@hydroscape.co.uk





in turn, kills fish and produces a smell. Chemicals are expensive and again are only a partial solution.

There is another course of action that has for centuries proved to have beneficial and lasting effects on the quality of the water - aeration. Companies and organisations involved in the treatment of domestic and organic waste successfully use this process.

As the name implies aeration adds large amounts of oxygen to the water and in the process creates undercurrents that break up the temperature layers found in all lakes and ponds - in short, it mixes everything up.

The addition of large volumes of oxygen result in healthy and strong colonies of aerobic bacteria, which are essential for dealing with organic nutrients and waste. The digestive process of anaerobic bacteria (the baddies) is drastically curtailed.

The high circulation rate mixes the different temperature levels to produce more uniformity. Cold water from the bottom is distributed throughout the warmer surface levels and in doing so slows down the growth of algae. Other spin-offs from aeration include a lowering of iron and phosphorus levels.

All this adds up to better water quality control, reduced algae and plant growth plus sludge build-up.

On most courses, the areas of water are reservoirs for irrigation, so it is vital that they are well maintained and managed if the systems they supply are to work effectively. A restricted flow to pumps due to partially blocked filters places considerable stress on components and reduces both their efficiency and life. It is also time consuming to have to be continually cleaning them plus unblocked sprin-

kler heads. Apart from this the quality of the water being sprayed on to greens is of paramount importance to their healthiness.

It pays to make sure your water is good quality and looks good.

Finally, one of the more unorthodox uses for a water feature.

The clubhouse at the Costa Mesa Golf Club in the United States has a balcony that overlooks a large lake. One evening a group of members were sitting enjoying a drink and the scenery when an irate player appeared and proceeded to throw his bag and clubs into the lake and then stormed off. Ten minutes later he was seen wading out in to the lake to retrieve the bag. After much searching he found it, delved inside and upon finding his car keys promptly threw the bag and clubs back.

A leading European supplier of pumps and control systems reported that water features are becoming increasingly popular on courses throughout Europe. Kevin Shaw of Flowtronex Europe said, "That while it was possible to include the controls for a water feature within the main pump system it is not advis-

able. There is the risk of jeopardising the irrigation of the course." They have found that the pumping requirements for many features are often more demanding than was first expected so it is important to plan carefully.

At the new Marquess Course at Woburn Sands, a stand alone pump unit

was installed to provide 22litres of water per second to cascade down waterfalls through two lakes. On another installation in Portugal that involved 600 metres of running stream the pump controls were incorporated in the main system. In this instance they were able to do it because the irrigation was operational at

night and the water feature ran during the day. They said both these examples were the exception rather than the rule.

The message is clear. Anyone contemplating installing a water feature that will require pumps should consult specialists who will be able to advise on the most suitable system.



# Water Difference

Engineering excellence,  
innovative design and  
cutting-edge technology  
– the winning  
combination from  
**Flowtronex**

## Quality Pumps

Top quality pumps matched precisely to each application, location and customer need.

## Isolating Valves

Captive suction and discharge isolating valves plus pump check valve allows pump servicing without the need for a full shutdown.

## Welded manifolds

Offered in a variety of materials with structural stability superior to threaded fittings and sized to provide optimum flow conditions.

## Safety Valve

Pilot-operated Pressure Relief Valve protects your system from excess pressure.

## Quality Finish

In-house high quality finishing to customer specifications, includes shot blasting and spray painting. Hot dip galvanising finish is also available.

## Intelligent Control Systems

The most powerful user-friendly software available in the industry today including Smoothflow, Oasis and Pumplog (remote monitoring software package).

## Electrical components

Our in-house control panel department uses high reliability ABB variable speed drives with Allen Bradley control gear as standard for world wide spares and service.

## Cooling Systems

Cooling for VFD applications is by forced air circulation. In warmer climates, water to air heat exchangers are used.

## Auto Pump Rotation

Automatic rotation of pumps ensures even wear and run time.

At Flowtronex we've been the driving force behind irrigation systems in the turf industry for more than 20 years.

We've installed over 8,000 cold water fixed and variable speed packaged pump sets around the world.

Our systems boost water flow and pressure reliably and efficiently, to maintain the perfect environment.

What's more, our engineers have developed some of the best control and monitoring software on the market.

Its all designed to make your job easier, to save energy and reduce maintenance.

So, for outstanding greens everyday of the year, specify Flowtronex first.  
**We're the difference.**



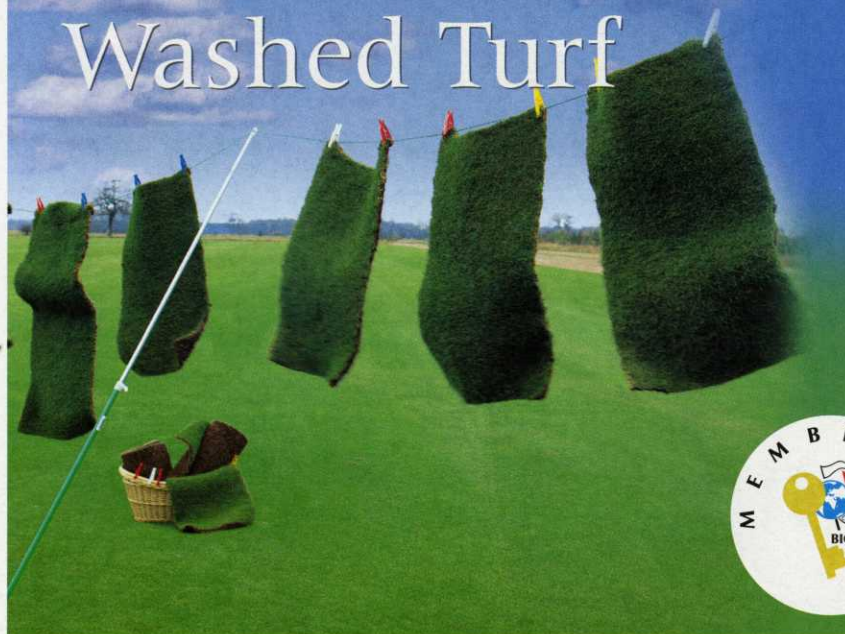
# FLOWTRONEX

[www.flowtronex.com](http://www.flowtronex.com)

2 Relay Road • Waterlooville • Hampshire PO7 7XA • England • Tel: +44 (0) 23 9226 8511 • Fax: +44 (0) 23 9224 1263



# Wash away rootzone worries with Rolawn Washed Turf



Washing turf is a job for experts. Rolawn's expertise in turf washing has been built up over twenty five years. This coupled with a substantial investment in a state of the art turf washing plant has made the company European leader in turf washing technology.

Rolawn's turf washing plant is operated by expert staff to produce top quality turf that is 100% clean and soil free. Our unique process leaves the turf roll intact with a healthy aggressive root system on one side and a first class dense healthy sward on the other. Any roll format produced by the company is available washed. i.e. Standard roll, Budget roll, 1066 roll.

Rolawn Washed Turf is faster and easier to lay, saving time and money. And with no rootzone problems to overcome it establishes rapidly. Therefore your greens and tees will come into play much sooner.

**So don't hang about – choose Rolawn Washed Turf.**



## Rolawn®

BRITAIN'S FINEST TURF

Available from Rolawn's network of UK depots.

*For further details call:  
01904 608661 or visit our  
Website: [www.rolawn.co.uk](http://www.rolawn.co.uk)*



# ING

## ING LEASE

### Sales Desk **01932 359290**



### THE INDEPENDENT LEADER IN TURF CARE FINANCE



# Grand occasion



When I left the position of Head Greenkeeper at North Weald Golf Club in Essex to pursue further qualifications at Writtle College, I had no idea that I would be travelling around the USA to meet the superintendents of some of the best golf courses in America, let alone play some golf. It all happened when I applied for the Grand Tour Scholarship sponsored by Rain Bird International, founded by Bettina Schrickel. Several weeks after applying, Bettina rang me up to tell me that I had been successful in my application, and that I would be trav-

elling with Paul Mogford, an Australian golf course designer, at the beginning of April.

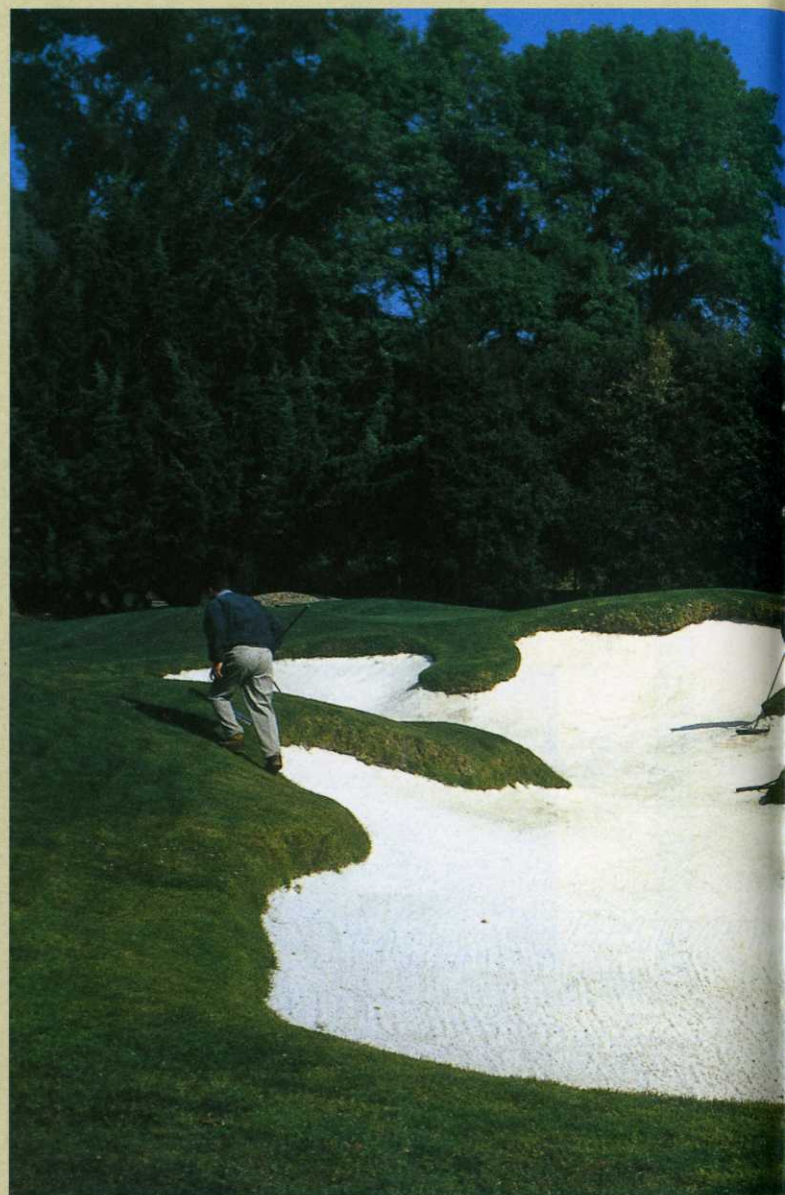
I arrived at Heathrow airport on an overcast Saturday morning for my flight to San Francisco and the beginning of the tour - 16000 miles, eight states, 21 golf clubs, and 23 days later I arrived back at Gatwick airport sporting a golden tan and a big Cheshire cat smile, but more valuable than that was the knowledge I had gained (the actual reason for going in the first place). A brief summary of my trip can be found on page 42.



One of the first problems encountered was the language barrier; it took a few days before I became accustomed to the names that they gave everything. With Smooth stalked meadow grass becoming (Kentucky) Blue grass, pedestrian mowers becoming walk mowers, etc...Then there was the Australian versions on top of that, with a strimmer (UK version), A.K.A. weed cutter (USA version), A.K.A. whipper snipper (Australian version).

My pre-conceived ideas of American golf courses were of those that you see on the telly, highly manicured and target golf, I was wrong. The majority of the courses played traditional chip and run, and only a few were highly manicured. It was interesting to see that a lot of the clubs were undertaking restoration projects to revert the evolved course back to its original design. As many of the courses were built in the golden age of course construction by eminent designers of the time (see table). Clubs such as Bel-air, Riviera, San Francisco, and Sourthen Hills have/are in the process of reverting their bunkers back to their original depth, shape, and mounding by using old photographs as a point of reference, and with the aid of a sympathetic designer/club professional. This was an area that all the superintendents enthused about, and their knowledge of their clubs history and original design was impressive.

It also raised an important issue, with golf courses being altered by the incumbent Club Captain or Head Greenkeeper wanting to leave their mark, these old masters will be lost forever, and in such a relatively short



period of time since their conception.

To bring the bunkers back into play, as originally intended, the match tees have either been extended back or new ones have been constructed. On some of the courses the use of a one to two inch polymer coating called "Bunker guard" was used too in the restored bunker to prevent erosion and reshaping that can occur over time through edge trimming and the play of golf.

Of all the courses that we visited, one common denominator was apparent, and that was that they all had wall-to-wall irrigation, everything was irrigated, even the rough. All the superintendents would tell me how many millions of gallons of water they used; in fact they could all use my annual consumption in one night! At first I thought that this was an obscene amount of water to use but after discussing with the superintendents about these amounts, all became clear. Depending on the area of the USA, the annual rainfall varied between 7-20 inches, but in most cases this rain came all at once over a two-month period in the wet season. This would account for their "Barrankas", a Spanish word for small canyons, which run through the

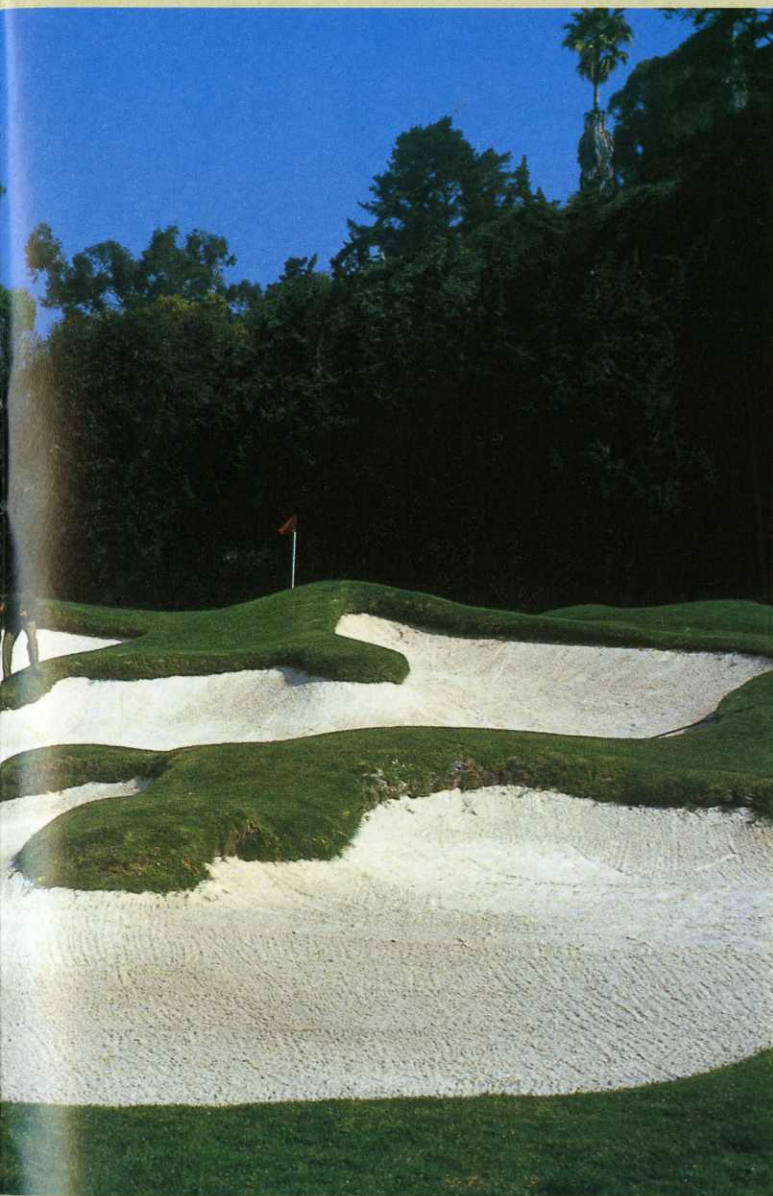
courses to catch and divert floodwater preventing it from causing any problems on the course. In fact some of the larger bunkers were called "Barranka bunkers". Anyway, this meant that the courses were without rainfall for ten months of the year, and given the high temperatures in the summer, irrigation even in the roughs was necessary.

This still may sound like a lot of water, but hardly any of the courses used potable water, as the majority irrigated with treated effluent water or well water. The level of treatment in the effluent water varied from secondary to tertiary treatments. The Pebble Beach Company actually has a main feed from the sewage company to its four courses, which is gravity fed. The pressure of which is so good that there is no need for a pumping system on any of the courses, except for a jockey pump on a high part of the course at Spyglass Hill Golf Club.

However, one problem with the treated effluent is that it builds up the salt levels in the rootzone due to its high sodium content. This has the effect of causing reverse osmosis on the grass plant, and therefore stressing it considerably. In the Monterey area, courses such as the Pebble Beach







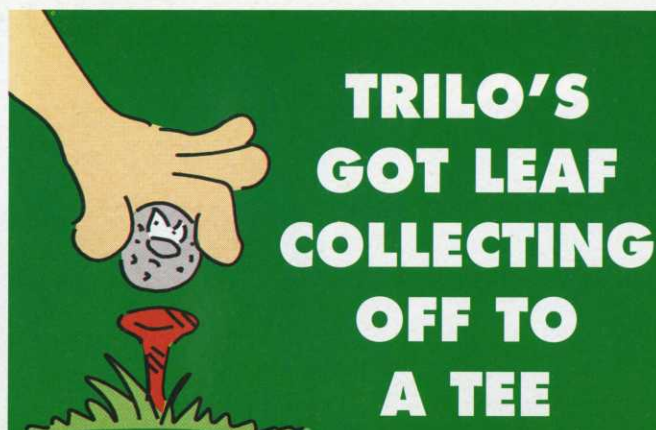
Company and Cypress Point have restricted access to potable water, which they use on a rota basis between them to prevent pressure losses in the potable water system, to flush their greens once a month, lowering the salt build up. Other courses relied on the heavy rains, whereas some Superintendents found that flushing with the treated effluent actually helped remove some salt build up.

The irrigation regime of almost all the superintendents is to irrigate heavily and infrequently, although a lot of supplementary hand watering is necessary on dry spots and bunker banks (especially south facing). The greens are also syringed which is a light hand application into the air, literally misting the green, to lower the temperature of the grass by evaporation in the summer. This operation only takes about one minute for an average 500m<sup>2</sup> green, but may need to be carried out three-five times a day, even more on really hot days.

From the Los Angeles area onwards we came across warm season grasses, these were either Common bermuda (cynodon sp), Hybrid bermuda (cynodon sp), Kakuei (Pennistum

clandestinum), or a mix of all three (Sanctuary and Desert Forest were the exceptions, as they had Creeping bent fairways). Some Superintendents preferred common; some were trying to make the transition from common to hybrid, while others encouraged Kakuei. Whatever the type, they had all managed to produce good playing surfaces. In fact Bel-Air Country club had just stripped and turfing the entire 17th fairway (a 449 yard par 4) with hybrid bermuda and put it back into play all in one week!

A problem with these warm season grasses is that once they get going they go, to the point where all the edging needs trimming once a week, buggy paths, pathways, bunkers, pop-ups, even the greens edges to stop the grasses encroaching onto the green. Other methods of stopping this encroachment onto the green varied from mild herbicides to a three-foot collar of 100% rye grass around the green. Some courses with newly constructed greens had a slot incorporated into the top of the non-porous membrane that lines the green, to facilitate accurate edging so that the shape of the green remains intact.



For years people scratched their heads looking for a speedy, efficient and economical way of collecting leaves and



grass cuttings. Then, in 1966, the engineers at Trilo came up with the perfect solution – an ingenious vacuum sweeper which they called the Trilo Grass



Collector. The idea was a huge success and the company's reputation for expertise and quality soon spread world-

wide. Thirty years on, Trilo is still leading the way with a wide range of machines that will not only vacuum, but also scarify, cut and collect.

Find out how a Trilo can make your greenkeeping job easier and more efficient by calling us direct today



**The first name in Vacuum Sweepers**

**SEE US AT SALTEX Stand B55-57 Demo Area**



FOR HIRE OR SALES CONTACT:

**MJT Contracts Ltd**

Wadebridge Farm, Landwade, Exning,  
Newmarket, Suffolk CB8 7NE

Tel: (01638) 720123. Fax: (01638) 720128





Some of the golf clubs had a policy of overseeding the fairways on an annual basis with rye grass, to provide grass cover in the colder winter months as the warm season grasses go dormant. At the time of our visit the warm season grasses were just starting to recover from the winter, resulting in a transitional period from cool season to warm season grasses that lasts for a few weeks, giving a stressed/scruffy appearance. The courses that choose not to overseed are either the seasonal courses (i.e. closed over the winter period), or clubs that do not receive a lot of winter play. However, apart from the seasonal courses, all the courses have varying degrees of active growth with the cool season grasses through the winter.

One of the more unusual greens that we encountered was the 6th at Riviera Country Club, referred to by the greens staff as the doughnut green. This was a large green that had a sand bunker right in the middle of it! This green also suffered with shade from surrounding trees.

The Superintendent, Paul Ramina, has undertaken extensive tree work,

thinning the crowns and generally improving light levels around the green, even to the extent of using grow lamps, which Paul says has improved the condition of the sward dramatically. The lights are removed for tournament play, but are generally used through the day as much as possible. Other unusual sights were the par five 16th at Oak Tree Golf Club that had a hangman's noose hanging from a tree near to the green. This is for any golfers to feel free to top themselves if they have a disastrous score on this hole, like Jack Nicklaus who took a 12 in the 1988 PGA. Lightning shelters featured at

Sanctuary Golf Club and Cherry Hills Golf Club as they have their fair share of lightening during the summer. The trees that came into play or bordered the tees and greens also had lightening earthing straps to minimise the risk of damage to the trees and golfers.

There are so many other interesting points that I learned during the tour that I could probably write a book on them, or at least my final year thesis. The experience of the tour has given me the opportunity to learn a great deal about the specific maintenance requirements for quite different growing conditions, ranging

from coastal and high altitude courses right through to desert courses. At every course visited, we were made to feel welcome, and the Superintendents were very forthcoming with information about their courses and individual maintenance regimes. I was very impressed with their expertise and professionalism and the very high standards that they achieved.

The Grand Tour Scholarship is one of those once in a lifetime opportunities, which I would recommend anyone to apply for, and given the chance I would do it all again.

Colin Mumford



## Schedule of Grand Tour

State	Course	Designer/Year Constructed
California	San Francisco Golf Club	A.W. Tillinghast, 1918
	Pasatiempo Golf Club	Alister Mackenzie, 1923
	Pebble Beach Golf Links	J. Neville/D. Grant, 1919
	The Links at Spanish Bay	Robert Trent Jones Jr, 1992
	Spyglass Hill Golf Course	Robert Trent Jones, 1966
	Cypress Point Golf Club	Alister Mackenzie, 1928
	Los Angeles Country Club	George.C. Thomas, 1922
	Bel-Air Country Club	George.C. Thomas, 1927
	Riviera Country Club	George.C. Thomas, 1927
Nevada	Shadow Creek Golf Club	Tom Fazio, 1990
Arizona	Forest Highlands Golf Club	Tom Weiskopf/Jay Morrish, 1987 + 1999
	Troon Golf & Country Club	Tom Weiskopf/Jay Morrish, 1986
	Desert Forest Golf Club	Red Lawrence, 1962
Utah	Just drove through	
Colorado	Castle Pines Golf Club	Jack Nicklaus, 1981
	Sanctuary Golf Club	Jim Engh, 1997
	Cherry Hills Golf Club	William Flynn, 1923
Kansas	Prairie Dunes Golf Club	Perry Maxwell, 1937
Oklahoma	Southern Hills Country Club	Perry Maxwell, 1936
	Oak Tree Country Club	Pete Dye
	Oak Tree Golf Club	Pete Dye, 1976
Texas	Colonial Country Club	John Bredemus, 1936



# COURSE CARD



HOLE	FRONT NINE	HOLE	FRONT NINE
1	Aldeburgh GC	10	The Gleneagles Hotel (King's & Queen's)
2	Ballybunion (Old & Cashen)	11	The Honourable Company of Edinburgh Golfers
3	The Belfry (Barbazon, PGA & Derby)	12	Killarney G&F Club (Mahoney's, Killeen & New)
4	Burhill (Old & New)	13	Richmond GC
5	Carden Park GC	14	Royal St George's GC
6	Celtic Manor (Wentwood hills)	15	Royal Wimbledon GC
7	Fota Island GC	16	Sunningdale (Old & New)
8	Foxhills (Longcross & Chertsey)	17	West Lancs GC
9	Forest of Arden Hotel G&C Club	18	Woburn (Marquess)

## If you want a reliable irrigation system that has proven itself follow the course leader

For more than four years the Rain Bird Maxi Windows operated computer control system has been installed in Europe.

A combination of Rain Bird Maxi Stratus, Nimbus and Cirrus control systems have been installed on over 60 Golf Courses in the UK and Ireland together with Rain Bird EAGLE™ sprinklers.

In fact more than 150 Rain Bird Maxi systems have been installed in Europe alone.

All Rain Bird systems are installed and maintained by highly experienced contractors, with technical support and backup provided direct from Rain Bird.

**A future course is under development to include Queenwood GC, Wychwood Park, Rookery Park, St Andrews Bay Development, St Georges Hill, Doonbeg GC, and The Addington due for installation this year.**

# RAIN BIRD®

**Rain Bird S.A.R.L.**  
900 rue Ampère  
B.P. 72000  
Aix-en-Provence, Cedex 3  
FRANCE  
Phone (33) 4 42 24 44 61  
Fax (33) 4 42 24 24 72

**Rain Bird U.K. Sales**  
Phone: 01273 891326  
Fax: 01273 891327

**Rain Bird U.K. Field Service**  
Phone: 0121 3581883  
Fax: 0121 3581891





Tiger Woods safely aboard the 17th green and about to be anointed Champion



**BIGGA's Greenkeeping Support team was on duty at this year's Open Championship at St Andrews. The 52-man team contributed towards the smooth running of a magnificent week and witnessed golfing history at the same time.**



# Tiger Tiger burning bright

On the eve of the Championship a unique event took place at St Andrews in the shape of the Champion's Challenge which involved 20 Open Champions from the past playing in a team match over the 1st, 2nd, 17th and 18th holes.

It was a wonderful occasion graced by many legends of the game, from 88 year-old Sam Snead, winner in 1946, through to Paul Lawrie, the defending Champion.

One man who didn't play in the event but who will now play every time it is repeated is Tiger Woods.

The man who is now widely regarded as the world's top sportsman never mind golfer, marched to his first Open in a style which suggested he will win many more.

The significance of this year's triumph was that he became the youngest ever winner of the Grand Slam the Masters, US Open, Open Championship and the US PGA and he currently holds all but the

Masters at the same time. Indeed he is only the fifth player to join that elite band.

From the moment he cruised through the back nine on the first day the result was never in doubt and his rounds of 67 66, 67 69 gave him a record 19 under-par total and a winning margin of eight shots, to go with his 15 shot margin at Pebble Beach the previous month.

Prior to the week he had set a goal of playing all four rounds in the 60s and not going into any of St Andrews' 112 formidable and potentially score wreaking bunkers. He succeeded in both counts.

In many people's eyes keeping out of the sand is the key at St Andrews and particularly this year when Eddie Adams and his team renovated them all to produce a set of beautifully revetted bunkers which sent shivers down the spines of all the players.

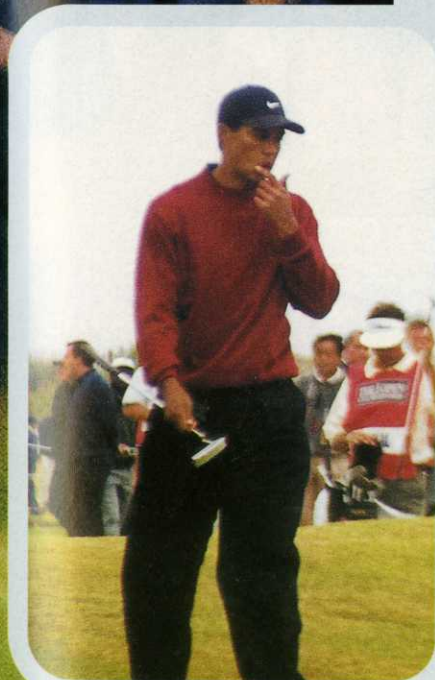
Such was the fear factor that the primary thought in the minds of players was to avoid the bunkers and that fact was borne out by the statistics produced by BIGGA's Greenkeeping Support Team. Only 448 bunkers were found during the course of the

week, by far the lowest number ever recorded and more than 1000 fewer than at Carnoustie last year which only has three more bunkers on the course.

Despite the lack of "victims" the bunkers influenced thinking to the extent that they defended the reputation of the course. It is remarkable statistic that although Carnoustie produced a winning score of 290 to St Andrews' 269, the best individual round of the week was only one different 67 at Carnoustie to 66 at St Andrews.

Eddie Adams and his team - he could call on 70 greenkeepers from the other St Andrews Links Trust courses - were universally praised for the condition of the course which was traditional links at its best. New R&A Secretary Peter Dawson was quoted as saying, "We wanted a hard fast running golf course. Eddie Adams has supplied that and all credit to him for it."

For his part Eddie, who was able to spend quite a bit of time talking to colleagues in the BIGGA marquee during the course of the week, joked that he had the fastest fairways in the world.





## Support Team Info

Dudley Hart seemed to cope with the bunkers better than most. He was in two and holed his escape from the 4th and hit the pin with his attempt from the 15th. Information supplied by BIGGA Greenkeeping Support Team member, Kneale Diamond, of Hanbury Manor Golf Club.

Sergio Garcia is never one to miss a chance for a bit of showmanship. After chipping in for an eagle on the 14th he kissed the pin at the point where the ball had bounced off and down into the hole. Information supplied by BIGGA Greenkeeping Support Team member Mark Ellis, of Stocks Hotel Golf and Country Club.

The pace of play proved quite lucrative for Lee Trevino. With time on his hands he went ball searching in gorse on the 4th hole and was successful in coming out with one. Information supplied by BIGGA Greenkeeping Support Team member Ian Semple, Old Folds Manor Golf Club.

The two men at the centre of the Ryder Cup bookgate saga, Nick Faldo and Mark James were out at different times of day but thanks to St Andrews double greens found themselves on the same putting surface when Faldo was playing the 16th and James the 2nd. No glances were exchanged. Information supplied by the BIGGA Greenkeeping Support Team member, Alan Halfyear, of Rother Valley Golf Centre, Sheffield.

Simon Dyson, "did a Hale Irwin" during his fine opening round 72 when he missed from an inch. The young Yorkshire player had a ten footer on the 4th for his third birdie in succession to take him to three under but the ball horseshoed out leaving him with a two inch tap in. However, he merely brushed the top of the ball leaving it short and he had turned a potential three into a bogey five. Information supplied by BIGGA Greenkeeping Support Team member, George Barr, of Ham Manor Golf Club.

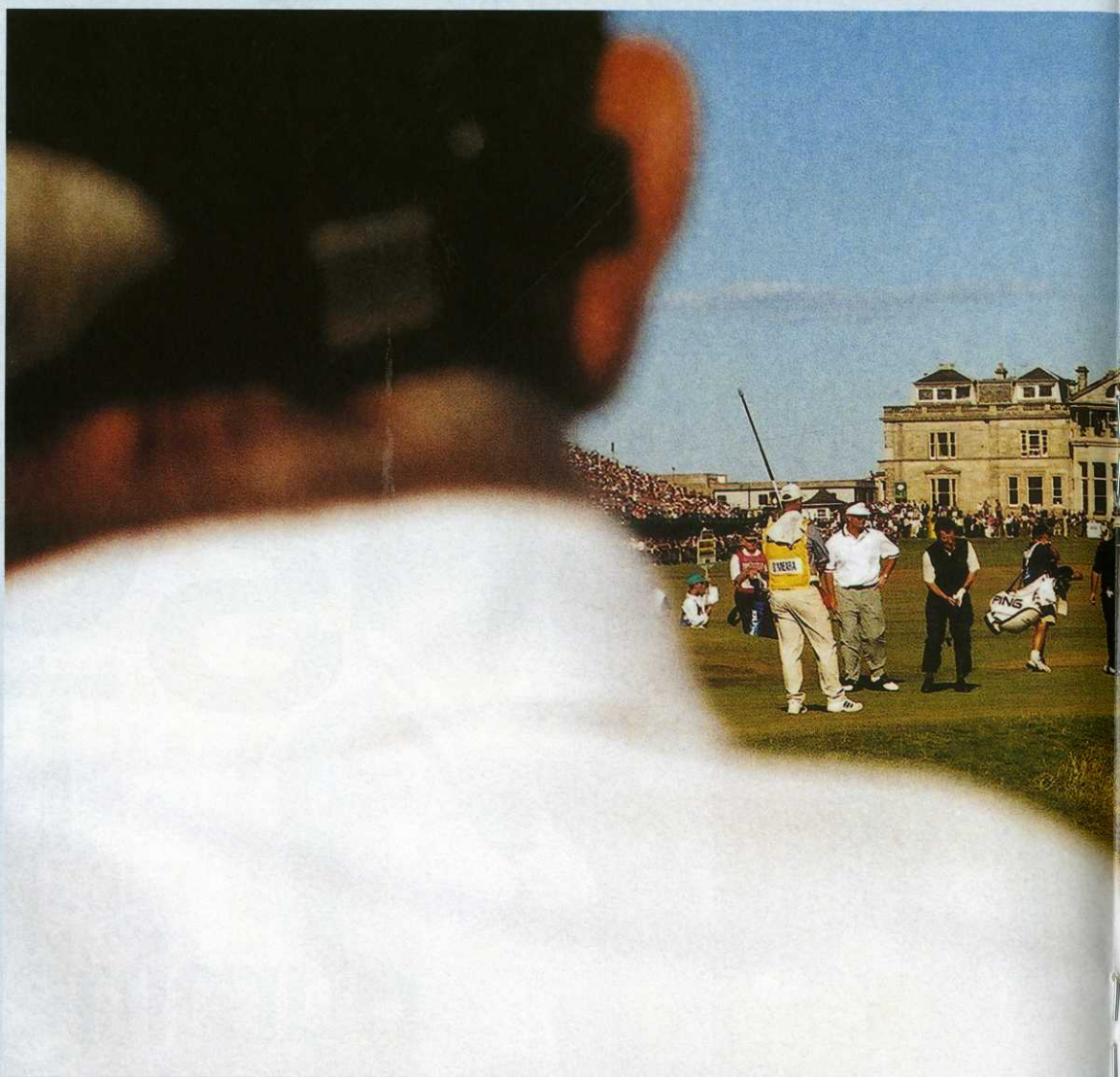
Gary Player's famous black and white trousers created some interest during the second round. During a delay in play Nick Price took a Unisys man, with a black and white shirt, over to Player and asked him to swap shirts so that Gary would be completely matching. Player originally wore the trousers 40 years ago and he revealed that his waist is now an inch narrower. Lee Trevino was a tad upset because his waist is now five inches wider! Information supplied by BIGGA Greenkeeping Support Team member Gavin Kyle, of Hendon GC.

Michael Jonzon's caddie didn't expect a stunning back nine on the second day to make the cut. He handed his caddie's badge over to a member of the gallery on the 9th when his player was six over. Information supplied by BIGGA Greenkeeping Support Team member, Robert Hogarth, of Cardrona Hotel Golf & Country Club.

Brian Davis found the easiest way to negotiate the huge 2nd green was to take a wedge. Information supplied by BIGGA Greenkeeping Support Team member, John Wells, of Brocket Hall.

The fine tradition of streaking at The Open, which reached a peak at St Andrews five years ago on the 18th green, was revived during the second round when a female exponent of the art ran across the 16th green. Sandy Lyle was teeing off at the 17th at the time and hit the best drive of his threeball. Information supplied by BIGGA Greenkeeping Support Team member, Alan Halfyear, of Rother Valley Golf Centre

Tony Johnstone took the "along the ground rather than through the air" nature of the links land conditions to an extreme when he played the 18th hole on Friday. He took putter from 100 yards out. Information supplied by BIGGA Greenkeeping Support Team member, Ian Barr, of Largs GC.



Above: The Champion's Challenge attracted huge galleries on the Wednesday



Above: Eddie Adam was remarkably relaxed all week. Pictured with Elliott Small and Scottish Chairman John Scott



Above: John Wells of Brocket Hall, prepares before going out with the last match on Sunday where he saw some action at the 17th



Above: Open stalwarts, Cecil George and Jimmy Nielson retired from the team after this year's Open after many years service on the 1st tee. Both will still be welcome visitors to the Open every year.



Above: While Tiger Woods will be remembered for making history at St Andrews, another piece of history was made by the BIGGA Greenkeeping Support Team. Stig Persson, of Sweden, predicted exactly the number of bunkers which would be found during the week the first time the feat has been achieved in the six years of the competition. He was presented with a bottle of whisky by Neil Thomas after the Championship.





Above: A member of the St Andrews' Greenstaff finishes off the 2nd and 16th greens on the Sunday morning. A check of the watch shows that everything's under control.



Above: Unfortunately, the traditional photograph of the Support Team with the new Champion was unable to be taken due to a decision to keep the area around the 18th green as clear as possible for safety reasons. The triumphant team still celebrated on the 1st fairway later however



Colin Montgomerie comfortably made the cut but his frustrations on the greens nearly got the better of him. When he made his first birdie on the 9th during the second round after a series of missed putts he turned to referee David Garland and said that if he hadn't made it David would have been refereeing a two ball. Information supplied by BIGGA Greenkeeping Support Team member, Neil Whitaker, of Arkley GC.

Jack Nicklaus hit what he thought was a fine drive at the 4th but discovered that it had only reached the first grassy mound. "I'm getting old if I can hit a great drive and not even reach the fairway," he said. Information supplied by BIGGA Greenkeeping Support Team member, Anthony Davies, of Prestbury GC.

Ian Woosnam's caddie had a joke at Lee Westwood's expense during the final round. In the wake of Westwood's statement that he was a golfer not a 400 metre runner. Wobbly got a chunky KitKat from a girl in the gallery and offered it to Westwood. Westwood went over to the girl and gave her two golf balls for it and then got his own back by throwing Woosie's putter into the gallery. Information supplied by BIGGA Greenkeeping Support Team member, Ian Barr, of Largs GC.

Jean Van De Velde always seems to find himself in unusual situations in the last round of The Open. This year his tee shot at the 2nd landed near a path on the right side of the fairway and the ball was picked up by a little girl who ran off with it. Information supplied by BIGGA Greenkeeping Support Team member, Roger Clark.

Paul Azinger was out in 30 in the final round but found trouble at the 12th when he found thick gorse. BIGGA Greenkeeping Support Team member, Alan Halfyear fought his way into the bush to mark the position of the ball and held his rake up so Azinger could retreat to the nearest point of relief. Alan emerged covered in thorns having been well reported on both television and radio for his efforts. He was rewarded with Azinger's ball.

The now traditional Scotland England football match saw Scotland build on the success of the win at Wembley in the European Championship play-off second leg with a fine 10-4 victory in the Duffus Park, Cupar. The stars of the show were George Barr, who scored a hat trick, the Scot's attacking minded right sided midfielder who showed remarkable composure to control a through pass from Marshall Sloss and then send Russell Black, the English keeper the wrong way.



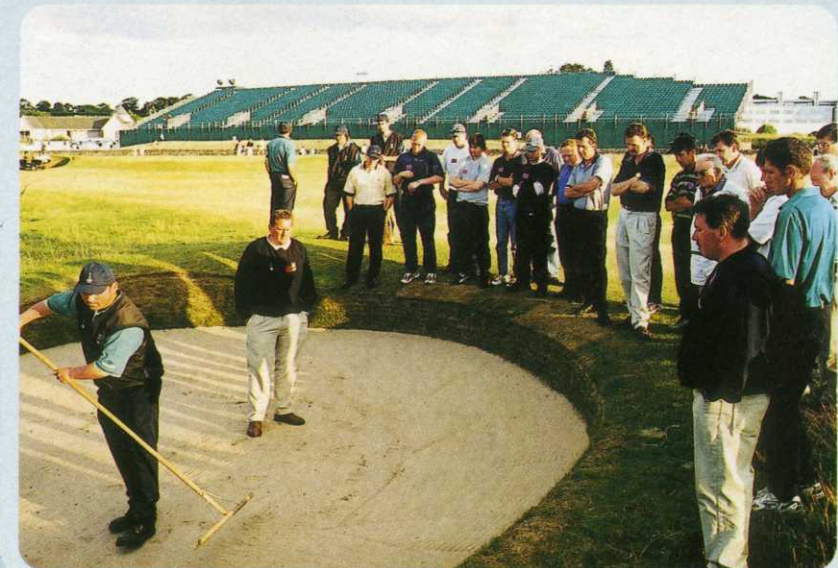
Above: The BIGGA Marquee was busy all week



Above: Bert Cross and Gordon Child manned the BIGGA cabin



Above: Burntisland Head Greenkeeper, Steven McAughey, was at the Championship as part of the Open team of part-time fire fighters

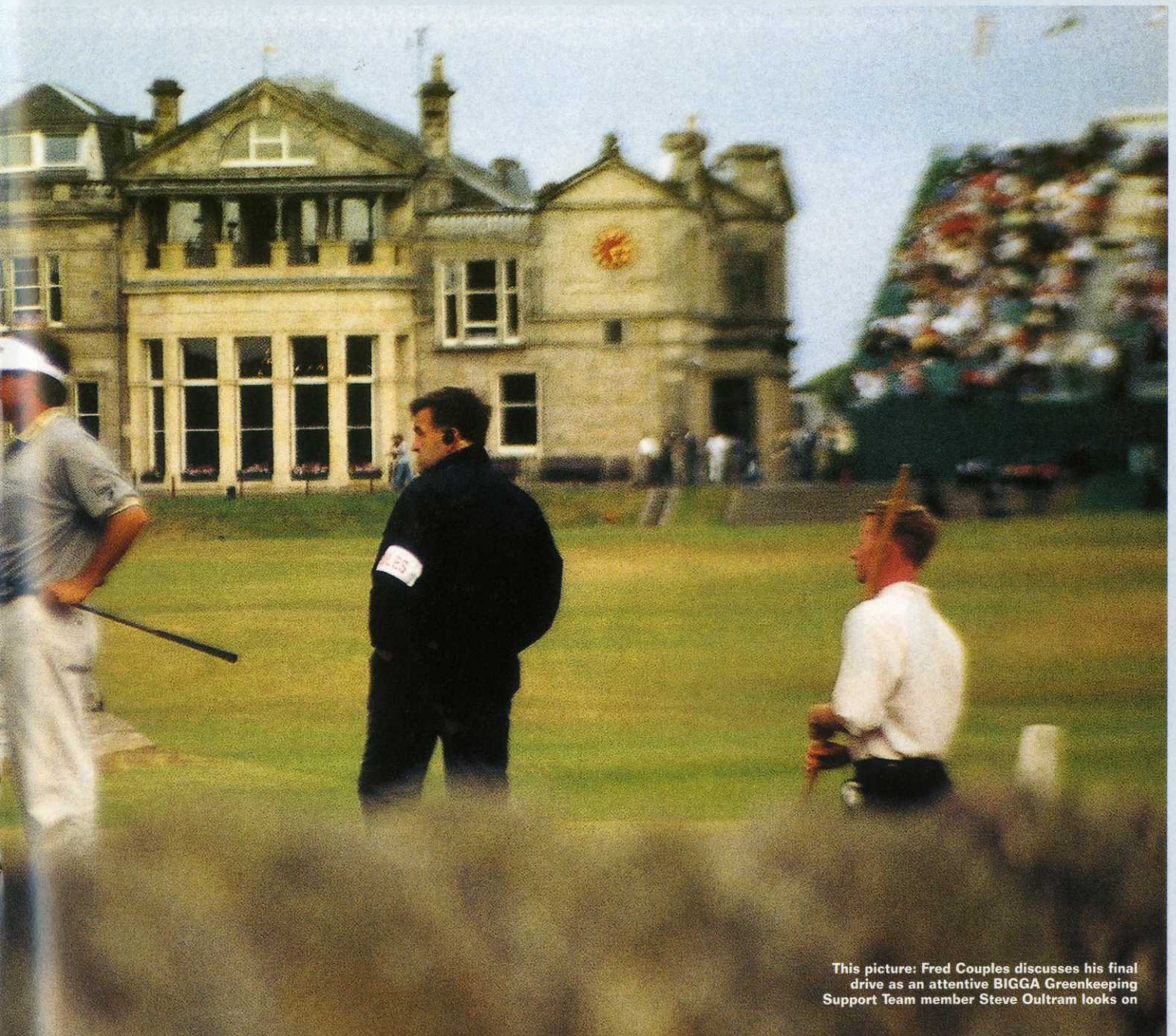


Above: With so much publicity aimed at the Old Course's Bunkers Head Greenkeeper took the opportunity to hold a briefing with the Greenkeeping Support Team on the course on Wednesday evening to explain how he wanted the bunkers raked. Standing in the appropriated named Scholar's Bunker on the 17th Eddie, and a colleague, explained and demonstrated what was expected of the team then Grant Moir, of the R&A Rules Staff, gave a short briefing on the procedures while working out on the course



	St Andrews 1995 - 112 bunkers	Lytham 1996 - 185 bunkers	Troon 1997 - 84 bunkers	Birkdale 1998 - 117 bunkers	Camoustie 1999 - 115 bunkers	St Andrews 2000 - 112 bunkers
Rd 1	214	501	344	355	539	148
Rd 2	201	577	272	406	468	164
Rd 3	130	269	107	226	202	65
Rd 4	156	271	136	153	265	71
Total	701	1,618	859	1,140	1,474	448





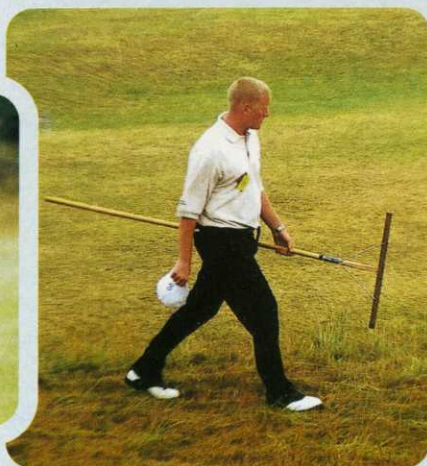
This picture: Fred Couples discusses his final drive as an attentive BIGGA Greenkeeping Support Team member Steve Oultram looks on



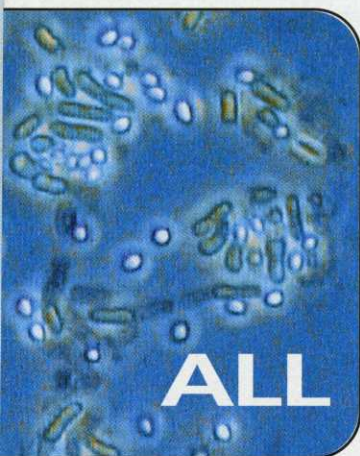
Left: Steve Pope grabs a bite to eat

Far right: Ian Leonard sports a different rake-carrying technique

Below: Paul Murphy and Nick Cain walk the fairways







**ALL IN ONE  
ALL AT ONCE**



Introducing **NEW**

# TurfVigor

with high impact  
beneficial microbes and  
key organic nutrients.

**6 NEW MICROBES** New TurfVigor is a complete nutrient and microbe complex featuring six new microbes specially selected and screened to encourage turf health. During times of stress, TurfVigor responsively triggers the synthesis of essential growth factors and regulatory elements to maintain a healthier stand. Its performance has been validated through research conducted at leading turf grass universities.

**ONE STEP APPLICATION** Because TurfVigor contains both beneficial microbes and organic nutrients, it can be mixed and applied in one easy step. In fact, TurfVigor is tank-mix compatible with a variety of fungicides and growth regulators. Its highly stable nature assures a long shelf life.

**IT PAYS TO BE SELECTIVE** Like all GREEN-RELEAF products, TurfVigor is environmentally friendly with microbial strains selected strictly on their ability to provide targeted turf benefits. TurfVigor is packed in 9.5 litre containers.

**We're very selective.**

**You should be, too.**



**GREEN-RELEAF**  
by Sybron

**TO KNOW MORE CALL,**

**Avoncrop Amenity Products**  
Tel: 01934 820868 Bristol  
Tel: 01344 426600 Bracknell

**Richard Aitken Ltd**  
0141 440 0033 Glasgow  
**Aitkens Sportsturf Ltd**  
01977 681155 York



Green-Release products are marketed in the UK and Europe by GreenLink International Ltd,  
1 Rysley, Holybread Lane, Little Baddow, Chelmsford, Essex CM3 4DD  
Tel: +44 (0) 1245 222750 Fax: +44 (0) 1245 222755  
[www.green-release.com](http://www.green-release.com)

**ISO 9002 CERTIFICATION**



St Andrews resident, Walter Woods, looks back at greenkeeping's daddy of them all,

# Old Tom Morris



Photography: Brian Morgan

**Every year thousands of golfers make the pilgrimage just to play golf. How many times have you heard the expression "It's a life long ambition" or "It's the golfing experience of a lifetime"? And what an experience the Old Course can provide. Ghosts can be sensed when walking the fairways, and the most powerful feeling is from Old Tom Morris who was the custodian for over 30 years. To commemorate this great man a bronze memorial was placed just below the clock on the R&A Clubhouse.**

Tom Morris was born in St Andrews in 1821. Golf dominated his thoughts and daily, when school was finished, he would quickly make his way down to the Links where Tom and his friends would play some golf related game with hand-made clubs and anything which resembled a golf ball.

During his growing up Tom's reputation as a golfer was growing and it was a natural progression to receive employment in the golf shop owned by Allan Robertson who was recognised as the champion golfer. His duties were making golf clubs and

golf balls particularly the latter which was exhausting work as he was only able to make four balls per day.

Fortunately for Tom he was often given the opportunity to play matches against visiting gentlemen and this pleased Tom as he did not like the confinement of the shop. Challenge matches were the common form of competition and very little stroke play took place. Often these matches were played with large wagers riding on them. Allan Robertson and his assistant were now confirmed as the men to play which would influence large bets.

Tom was enjoying life. He was playing golf which was providing him with more than average earnings and, at the age of 29 he married Nancy Bayne and between them over the years they had four of a family, three boys and a daughter. The most famous of these was his first son, young Tom, who in future years became the most famous golfer in the land.

Around this time St Andrews was rundown and could only be described as decaying. Fortunately in 1842, Hugh Lyon Playfair was elected as Provost and because of his enthusi-

asm, wisdom and foresight, many improvements were implemented. His main hobby was golf and he instituted the Union Club which later became the Royal and Ancient Golf Club. Other notable improvements included the creation of the eastern part of the Links to extend the golfing ground. All these dramatic changes encouraged visitors from distant areas and it was a visitor which first introduced the gutta percha balls or solid rubber moulded golf ball. These percha balls were introduced soon after 1848 and they quickly became fashionable.



# Old Tom Morris



Photography: Brian Morgan

This new ball had an undesirable effect on the relationship between Allan Robertson and Tom. This uneasiness continued for a number of months until one day Tom was invited to play with the rubber ball and found it to his liking for its quality. Unfortunately the news was taken to Allan who promptly fired him and afterwards they parted company.

The introduction of the cheaper golf ball made an enormous difference to the development of golf in Scotland. Many of the existing golfing societies had artisan membership with the result that the price to play golf was becoming within reach of many Scots.

In 1851 Colonel James Ogilvy Fairlie, who was to become Captain of the R&A arranged for Tom and his family to be moved to Prestwick. With the job description of Supervising the Links and Professional Golfer, Tom Morris was soon amazing the locals with his golfing ability and soon reigned supreme.

Prestwick, which consisted of 12 holes involving many crossing points, particularly around the Alps and Cardinal bunkers, could not be described as anything seen today. No greens or tees existed. The custom was to scratch away the longer grass immediately around the hole, the green only being a few feet in diameter. Teeing up was made only a couple of club lengths from the hole and sand on which to tee the ball up on was often taken from the bottom of the hole, making it sometimes difficult to retrieve the ball.

As the years moved on Tom's reputation gained momentum. Prestwick was also gaining in stature and soon was recognising the desirability of providing some annual test to gauge the comparative merits of professional golfers. To achieve this they organised the first stroke play event

over 36 holes which was three rounds of 12 holes at Prestwick. This tournament took place during October 1860 and eight entered to claim the honour. Tom Morris being the local was expected to win, but was beaten by two strokes by Willie Park, of Musselburgh. The next year Tom gained his revenge over Willie.

During this period St Andrews was having difficulties on the golf course and the Committee were authorised to appoint a custodian at a considerably larger salary than given before. It was decided in 1864 to approach Tom and offer him the job as Professional Golfer on the understanding that he would have the entire charge of the golf course and being responsible for it being kept in good order. The sum of £50 per annum was voted for payment of Tom's salary and £20 for his duty devoted to the upkeep of the Links. This was considerably more than the £6 paid to his predecessor, Alexander Herd.

A year later more progress was made when James Honeyman, a local St Andrean, was employed on a part time basis to help on the course. He was provided with a barrow and shovel and heard Tom's words ringing in his ears "more sand Honeyman, more sand" indicating that the main duty was to topdress greens and tees and fill in the many rabbit scrapes.

Tom's philosophy with regard to the application of sand went back to his time at Prestwick when he accidentally spilled sand onto the 10th green only to see beautiful green shoots come through a few weeks later.

Tom revelled in his return to St Andrews. He purchased a new shop where he manufactured golf clubs and balls.

The golf course, which was part of his duty, would be mainly supervised by his daily playing and only limited maintenance took place. Apart from

top-dressing, occasional hole changing and tee box moving, little or no other maintenance was thought necessary.

The Old Course which Tom had to supervise, bears no resemblance to the course which exists today. Even after a thorough search through records no one can tell how old the course actually is. We do know that the courses consisted of 22 holes, 11 out and 11 in. Having played out, the players played back using the same greens. Notices still exist today informing players that homeward players have right of way. In 1764 they reduced the course to 18 holes.

Grass growing would be slowed down by the concentrated traffic of many golfers taking the same constant routes, with the result that very little cutting would take place.

The first survey of the course had been made in 1836 and about the same period the greens were extended sideways and made much larger to contain two putting holes or two separate greens with their own identity. This course remains today except that they played it in reverse. Ten years later the committee changed the course as it is played today.

From a map dated 1821 it is known that the Old Course measured 6388 yards, but it was not until 1846 that teeing grounds containing tee boxes and tee markers were introduced.

The first Open Championship was organised at St Andrews during 1873. Young Tom was favourite having made the Championship belt his own property the previous year, but was well defeated by the winner, Tom Kidd.

Tom Morris senior was becoming older and his reputation and fame was becoming wider. To assist him a young man from Dornoch was employed, his name, Donald Ross, who eventually emigrated to Ameri-

ca where he built himself a reputation as a golf course designer.

By the late 1890's St Andrews had also made notable advances. The R&A was now in large part responsible for the running and organisation of the Open Championship and also, through general opinion, were given the authority in 1897 to improve and co-ordinate the rules associated with golf.

During 1895 horse driven and hand propelled cylinder mowers were purchased. Water wells were sunk adjacent to each green and by lowering buckets down by a rope, the water would be extracted physically and thrown across the green surfaces. The wells were about two feet square and about 15 feet deep with timber linings. The grasses throughout the St Andrews Links would have most likely been fescues and bents, no rye grasses or poa annua would be present.

In that same year life was not all smooth with Tom. AF MacFie, the first amateur champion, complained and resigned from the Green Committee as he thought that Tom Morris had too much power. And, after reading a notice which appeared, it looks as if Mr MacFie was right, for it said that the custodian had filled up the putting holes and stopped the public from playing without notice of his intention.

Just a few years later Old Tom retired at the age of 82 but his retirement was softened by the knowledge that it was not due to any decline in health, it was only the fact that the job was now increasing and Tom was finding it difficult to cope with all his responsibilities and felt that a younger man was now necessary. Tom Morris lived for another six years until 1908 and he was always a familiar figure on the golf course.



# AFT

## BACKHOES FOR TRACTORS AND SKIDSTEER LOADERS

THE AFT RANGE OF BACKHOES fits the three point linkage of tractors from 15 - 120 hp and skidsteer loaders from 500 kg.

Quick to fit and easy to operate, the range offers maximum digging depth from 1.45 to 3.65 metres.

All models feature a built in hydraulic tank and filter system, independent stabiliser legs, 180° rotation and full sideshift with hydraulic locking.



Convert your tractor into a professional excavator  
**A.F. TRENCHERS LIMITED**

Tel: 01787 311811 Fax: 01787 310888  
E-mail: info@trenchers.co.uk • Web site: www.trenchers.co.uk

# G·C·I

*Golf Course International 2000*

*Europe goes golf*

**International Trade Exhibition & Conference  
on Golf Course Planning • Construction and Maintenance  
Golf Course- and Club-Management**

**5.-7. December 2000  
Frankfurt/Germany**

Messegelände Frankfurt  
Frankfurt Fair Grounds

Please send us:

- ☐ Exhibitor information  
☐ Visitor information (avail. Oct. 2000)  
☐ Conference information (avail. Oct. 2000)

Name .....

Company .....

Street/P.O. Box .....

Post Code/City .....

Country .....

Phone .....

Fax .....

**Order by Fax: +49 (0) 611-9 51 66 25**

europegoesgolf@mfa.messefrankfurt.com  
www.europegoesgolf.com



Organiser Trade Exhibition  
Messe Frankfurt  
Ausstellungen GmbH



Organiser Conference  
Golf Projection  
International GmbH

## THE BEST FOR HEAVY DUTY TURF

Considerable expertise in grass breeding and strong technical back-up mean Barenbrug can deliver the best cultivars for your heavy duty turf requirements. Consistently rated in the top banding of the STRI Turfgrass Seed Lists, Barenbrug high quality grass seeds are specially developed for characteristics that give you the performance you need whether for soccer and rugby pitches, golf fairways and roughs, hard-wearing lawns or general sports fields.

**Barlinda** is a proven perennial ryegrass providing

- good fineness of leaf
- excellent wear tolerance
- slow regrowth under regular mowing
- good colour throughout winter
- performs well in shaded areas

Another Barenbrug first is the development of **Barcampsia** tufted hair grass. Its outstanding shade and wear tolerance in combination with other high quality cultivars make **BAR 7 BAR 8** and **BAR STADIA** the perfect mixtures for your sports turf requirements.

So, if you want the best seed under the sun, call 01359 272000 and we will be pleased to advise you.

# BARENBRUG

Barenbrug UK Ltd., 33 Perkins Road,  
Rougham Industrial Estate,  
Bury St. Edmunds, Suffolk IP30 9NW  
Tel: 01359 272000 Fax: 01359 272001  
E-mail: sales@baruk.co.uk  
Website: http://www.baruk.com

## THE BEST SEED UNDER THE SUN



# Canadian Golf Superintendents Association Show and Conference 24–27 February 2001 in Vancouver



## BIGGA Delegation

BIGGA, in association with Bernhard and Company Limited, are planning a delegation of Greenkeepers to visit the Canadian Show and Conference in Vancouver.

The group will consist of two BIGGA members selected from each Region (ten in all) and the costs of travel, accommodation and entrance to the conference programme will be met by the sponsor, Bernhard and Company Limited.

Applications are invited from BIGGA members who would be interested in attending the conference and are able to demonstrate suitability to contribute in the following ways:

## A proven record of service to the Association

An ability to represent BIGGA and the greenkeeping profession in a public relations role at an international event

## What do I have to do?

To be considered you must submit a personal profile consisting of no more than one side of A4 and this should include brief details of education/training and career summary, membership history including any offices held, Section work and services rendered to BIGGA. You should also explain how you would benefit from the Canadian visit.

This application must be submitted to, and received by, your Section Secretary no later than Friday, September 8.

Each section committee will consider all the entries received and will then put forward a chosen candidate for Regional selection. This will involve the finalists having a brief interview with a panel consisting of the Regional Chairman, Regional Board of Management representative, Sponsor's representative and representative from BIGGA Headquarters. Each region will select two of the finalists for the Canadian visit and the remaining finalists will receive a voucher worth £100, redeemable against a visit to BTME 2001 at Harrogate. The Regional panels will meet during October and the winners will be announced in the December issue of *Greenkeeper International*.

The delegates will be visiting Canada as guests of Bernhard and Company but will be representing BIGGA throughout the seminars, conference sessions and visit to the Trade Show. You must possess a BIGGA blazer and dress appropriately throughout the visit.

For further information contact:

Steve Hardy - Sales & Marketing Manager  
Tel: 01347 833800  
E-mail: [steve@bigga.co.uk](mailto:steve@bigga.co.uk)





**Scottish Region**  
Peter Boyd  
Tel/Fax 0141 616 3440

## North

Several new members to welcome to the Section this month and they are as follows.

Michael Grant, from Reay GC; Gregor Norrie, from Letham Grange GC; James Swanson and Michael Macleod, from Spey Bay GC and, last but not least, Barry Macdonald, from Forres GC. Rejoining the Section are Charlie Mackay, from Aberdeen Petroleum GC, and Dougie Boyle and Colin Forbes, from Tarland GC. We hope to see you all at future Section events. The Scottish Greenkeeping Championships at Newmacher in late June were a great success with lovely weather and a superb golf course presented for us by Dale Robertson and his staff. The only downside was the size of the field, especially from other Sections.

I know that Aberdeen is way up North, but we travel down to the event in good numbers when it is South and George Thomson and his lads from Goswick in North England managed to make the journey up. In fact, despite it being in our Section, my staff and I had a three hour journey to attend.

A lot less than coming up from Glasgow or Edinburgh I bet!

Not surprisingly, North Section members featured heavily in the prize list, with the main winners being Steve Frost, Royal Aberdeen, overall handicap winner. Robert Patterson, Royal Aberdeen, best Head Greenkeeper, Ian Cowper, Tain, best Apprentice, James MacCormack, Kirriemuir, best in Class 1 and Gavin Neill, Tain, best in Class 2. The Section also won the Team Trophy.

Well done to all who flew the flag for the section and a big vote of thanks to Peter Boyd for the entire organisation, ably assisted by Dougal Duguid and John Geddes from our Section committee.

Later this month the Section will be trying to retain the Norrie Whytock trophy, held this year on 24 August at Auchterarder. Full report, if we win! Will follow in the October magazine.

Our AGM this year will be on 26 October at Royal Aberdeen with the Chairman versus Vice-Chairman golf match preceding it, so get that in your diary and let's have a good turn out.

Iain Macleod



**Northern Region**  
Douglas Bell  
Tel: 0151 431 0433

## Northern

Congratulations to Rob Hartshorne and wife Katie who are expecting there first baby, although Rob and his boss, John Waite don't know how he found the time with the jobs he does after work and teaching martial arts. Well done Bob.

Buggies were out in force for our President's Day at Hollins Hall Hotel & Country Club. The fit ones did stick to the traditional methods of getting round and we did all right until the rain came over the last few holes. Prizes were sponsored by our President, Mr Liam Galway, from The Greenkeeping Supply Company. The prize table with the stereo systems was much appreciated especially by the winners.

Congratulations to John Waite for his hole-in-one on the 15th. A bottle of whisky was presented to John who then filled everybody's glasses up, as is the measure of the man. Many thanks to Ian Pullen and his team for the condition of the course, it was much appreciated by all concerned.

The format for the day was a full hcp. Stableford, the results are as follows:- Div 1. 1. John Waite 39pts (1st Div Cup); 2. Richard Harris 36pts (Scratch Cup), 3. Alan Baxter 36pts. Div 2. The Bill Mountain Trophy went to Tito Arana with 33 points. 1. Roy Armitage 29pts; 2. Andy Smith 29pts, 3. Richard Smith 27 pts. Div 3. 1. Joe Baxter 33pts; 2. Nigel White 24pts, 3. Jim Brown 24pts. Longest Drive went to Alan Court and the Nearest the Pin on the 13th went to John Waite. Trade Prize went to Mel Guy.

The team to represent the Section in the Regional Final at Fiswick Hall GC on August 10 at 1pm. are as follows. Div 1 Richard Harris and Dave Collins. Div 2 Alan Baxter and Brian Hudson. Div 3 Jim Brown and Nigel White. This was decided on medal play.

Thanks go to Dennis and Gary for sorting the two formats out from the cards on the day.

Qualifiers for the National Championship are Best Net, John Waite 68, Best Gross, Richard Harris 76.

Due to low numbers at golf days it was decided at the last committee meeting to lower the price to £15 to include golf, prizes and food. This starts from Invitation Day.

Our next event is Invitation Day at Cookridge Hall Golf & Country Club on Wednesday 6 September. Please note that Invitation Day is for inviting club officials (eg Captain, Greens Chairman etc) All entries for the golf events are to be



sent to myself and must be received along with the FULL amount of £15.00 no later than 7 days before the event. Cheques to made payable to BIGGA Northern Section. Entries will be on a first come first in basis, so book early to avoid disappointment.

We welcome this month a new member, Robert Boyle, of Braken Ghyll Golf Club.

You can be assured of a warm welcome at any of our Section events. If you have any queries don't hesitate in picking the phone up and giving us a ring. There is no other news at the moment, if anybody has any then let me know. My address is 67 Asquith Avenue, Morley, Leeds, LS27 9QS or telephone at home 0113 2383188/mobile 07790 678572.

Andy Smith

## North West

The Summer Tournament was played at West Derby Golf Club on 28 June and we could not have picked a better day weather wise. A good turnout of 40 members enjoyed an excellent day's golf on a fine course. Chris Sheehan and his staff had the course in lovely condition, as always, and this not too easy course sorted out the men from the boys.

The summer tournament is played for the Reg Vickers trophy and this was won by Jeremy Quirk. Runner up was Peter Cross. Guest prize Andrew Cornes, Nearest the Pin, Andrew Russell, Longest Drive, Peter Cross and the prizes went as far as 10th place. The Longest Drive and Nearest the Pin prizes were sponsored by Rufford Top Dressing.

I would like to thank West Derby Golf Club for allowing us courtesy of their fine course, John, the caterer, for excellent food, the bar staff for keeping us well watered, and of course the N/W patrons and trade members for helping to swell the prize table. I should remind you that the Autumn Tournament is at Denton GC on Thursday, September 7. All entries must be in by Monday, September 4. Also the Whitelaw Bowl will be played for at Penrith GC on Wednesday, September 13.

Any information such as lottery wins, marriages, births or other information, ring me on 0151 724 5412.

Bert Cross

## Cleveland

Congratulations go to Phil Hargrave who is moving to pastures new. He is leaving Wearside to take up the position of First Assistant at South Shields GC. I'm sure the whole Section will join me in wishing Phil good luck in his new post.

Also taking on a new role is Barry Walker, Head Greenkeeper at Wearside. He is taking over as Secretary of the Cleveland Section.

I'm sure Barry will do a great job and I hope the Section will support him. Barry has a new mobile number so if you need to contact him concerning section or golf matters, call 07968 308892 any time day or night.

There seems to be some confusion in last month's column over whether Jim Thomson, of Wynyard, had or had not been knocked out of the Cleveland Shield. Maybe I didn't make myself clear, however, I can confirm that Jim did get beat in the first round by Martin Woods. I hope this clarifies the matter.

Other results this month are, surprise, surprise, Tony Burge beat Ian Holoran at Middlesbrough Municipal and I narrowly beat Anthony McGeough of Richmond, around his own track as well!

If you have a match to play could you play it as soon as possible and contact Barry with the result.

Any news contact me on 07808 196558

Steven Jaques

## Sheffield

Annual Tournament - 10 July 2000 - Matlock Golf Club.

Sheffield Greenkeepers returned to Matlock Golf club after 14 years for their Annual Tournament. The weather was more like September than July with heavy showers and cold north-westerly winds, but fortunately the rain ceased and the golf was played in strong winds.

The course was presented in excellent condition and was a credit to Roy Ward and his staff. Well done chaps. Roy started work at Matlock Golf club straight from school and has been there for 41 years. Congratulations Roy, may you enjoy many more years. We know you will with all the new land that has to be developed.

Twenty-three greenkeepers and five guests played including the Captain and Greens Chairman of the club. Our sponsor for the day was Mansfield Sand. The Prize Table was magnificent and our thanks go to Russell Latham and his Company for their support. Thanks are also given to Peter Fell - Aitkens Sports and Steve Burroughs - Amenity Turf Supplies.

Thanks and appreciation must go to the Committee and Members of Matlock Golf Club for allowing us the courtesy of the course. To Helen Cauldwell, the Stewardess, for providing us with an excellent meal. Everyone enjoyed a wonderful day. Once again thanks to Matlock Golf Club and all the staff for making this such an enjoyable day.

Prizes winners: Best Nett, A Sampson, 92 (24)- 68, M Knowles, 80 (9) - 71, A Fenn 83 (11)-72, G Britton 89 (15) - 74/ Best Gross, J Darroch, 73. Guest Prize, John Rebaud, 73 (10) 63.

K B Heaney.



**A roundup  
of all Section  
qualifying  
members for  
the National  
Championship  
is on page 60**





**Midland Region**  
Les Emery  
Tel: 0116 287 9036

### East Midlands

On June 3, Steve Levers and Adi Porter represented a Greenkeepers team in the Ramsdale Park Charity Golf Day and finished a very respectable third place. Thanks should go to Alpha Amenity who sponsored the day.

If any member would like to play in this year's clash with the East of England section on Tuesday 15 August, Tee-off 3.45 pm, please inform me as soon as possible and I will send you the entry form. A team of ten is required, so it will be a first come, first served basis.

By now all members should have received their entry form for this years Autumn Tournament, to be held at Market Harborough GC on September 20. If you have not, please contact me as soon as possible so I can rectify the matter.

Antony Bindley

### Midland

With a report absent from the

July issue due to insufficient news, the results from the Spring Tournament held on April 28 will be included in this report.

Firstly, I would like to congratulate Paul Woodham and family on the birth of their first child, a baby girl and hope that mother and baby are doing well. Paul has also been appointed Head Greenkeeper at Gay Hill Golf Club. We all wish him well for his future.

The scheduled match against the stewards to be played on August 2 at the Wrekin Golf Club requires more greenkeepers to make the team up. Anyone wishing to play should contact Rhys Thomas on 0777 5581615 or 01902 743381.

The Spring Tournament was a great success with Rhys Thomas presenting the course in excellent condition. Many thanks to Rhys and his staff.

The results are as follows: Nett – 1. W. Bird; 2. Dave Fellows; 3. Eddie Stant; 4. Peter Holtham; 5. Steve Mucklow.

Gross – 1. Graham Wallace; 2. Eddie Stant; 3. Vince Gilroy. Longest Drive, Peter Holtham. Nearest Pin, Eddie Stant. Trade Prize. A. Southam.

Many thanks to E T Breakwells who were the day's main sponsor. Jonathan Wood

### East of England

The Section Golf Day at Belton Park was also combined with the retirement of Colin Swingler. Head Greenkeeper, Colin, was a past Midland Region Board Member and Section Secretary and had been at Belton Park nearly 25 years.

Over 70 people turned out, which included past Greens Chairman and Committee Officials Colin had worked with over the years. The presentation was followed by speeches, one of which the present Greens Chairman, Alan Bishop, did a life story of Colin, which everybody found very entertaining.

Burdens Groundcare sponsored the Golf Day and other donated prizes were by Scotts, Tower Sports, Chandlers, Boughton Loam, Greenpride, Aitkens, Rigby Taylor and Bourne Amenity.

Thanks to Norman Burden and his staff for putting on a great day at Belton. The winner of the main prizes was Graeme Macdonald, Newark Golf Club. Second was Kevin Hodges, Ryston Park, third was Michael Love, Seacroft. Longest Drive Alick McKay, Woodhall Spa.

The new Head Greenkeeper at Belton Park is Gary Poole who

moves from Northshore. Good Luck in your new post.

Also new to the area to take up the position of Head Greenkeeper is Steve Peters at Blank. Other new members are: Dean Akerman, Belton, Dean Johnson, Northshore, Luke Bates and Tom Luffa from Boston West.

Graeme Macdonald



**South East**  
Derek Farrington  
Tel: 01903 260956

### East Anglia Section

It was the first meeting the Section has had on a Friday, and 45 eager competitors made sure they were up extra early to sort out their golf courses, so they could take part in what proved to be a successful day. Rushmere Golf Club was the venue and the course was in great condition and there was nothing but praise for Course Manager, Pat Swinn, and his staff Andy, Gerry, Mike and Dave. Toro UK were the main sponsors for the day, and what a fantastic prize table we had, not only did Toro UK supply goodies for all the prize winners, they also sponsored four

# Traction. Just one of many attractions!





par-3 holes, with hole-in-one prizes as follows:- two holidays for two in Barbados, one caddiematic cart and one Toro Workman.

Alas none of the competitors managed the magical feat of a hole-in-one, and as you can imagine the expectation on members faces as they pondered the thought of being taken to the airport in the back of a fellow greenkeepers Toro Workman, soon changed to the 'I'd have settled for just hitting the green' look!

Rushmere Captain, Andy Langston, welcomed the Association, and commented on the quality of the golf played, this goes without saying as he played with Ian our secretary. He made comment on the Mizuno driver, and the Cobra 5 wood that Ian was using, as they apparently only cost him £10 from a car boot sale, but had done the trick when it came to 'taming' the course!

I. Willet was the overall winner with 41 Stableford points, and Ian along with his Captain, P. Bevin came first in the Greenkeeper/Captain Challenge, sponsored for the fourth year by Toro UK.

Results: 1 - 9 handicap. 1. A.

Carter - 37 pts; 2. M. Buck - 35 pts; 3. R. Boyce - 32 pts. 10 - 18 handicap = 1st I Willet - 41 pts, 2nd J Timms - 31 pts, 3rd M Broughton - 29 pts. 19 - 28 handicap. 1. K. Titchell - 40 pts; 2. E. Hart - 31 pts; 3. A. Hollis - 30 pts. Trade. 1. T. Howard - 41 pts; 2. G. Bremner - 40 pts. Nearest the Pin, J. Pymer. Longest drive - G. Bremner.

Roger Eade, as everyone knows loves to walk round with his trusty camera around his neck, (although I've never seen him take a picture yet!) and he never has any problem finding someone to caddie for. So imagine the surprise when he put it about that he was playing in the competition. Shock all round!

When he put his card in it was apparent that it had been a wind-up, probably due to the 50 and 49 points he and his supposed playing partner, Kevin Leach, had accumulated, for this it was decided that the toilet seat should be awarded to him for over exaggeration!

Thanks must go to the trade for their support, main sponsor for the day Toro UK, plus Atterton & Ellis, Aventis, Consult Clarkson, Grass Roots, K B Leach, Rushbrook & Sons, Scotts UK, Sisis, Tomlinson Groundcare.

Finally many thanks to Ian for his

hard work in making it a successful day, especially as Lady his pet Jack Russell passed away that very morning; she was regularly at our meetings guarding Ian's vehicle, the ankle biter will be missed by all.

See you all at Royal Cromer on the 15 August.

Steve Millard

## Surrey

All playing members will, I am sure, join with me in congratulating John Davidson and his team for presenting Gatton Manor Golf and Country Club, the venue for the Cresta Cup on June 30, in such magnificent condition. John, will you please thank your directors for the courtesy of their course and also the catering staff for a delicious carvery.

The results: 1, with 44 points, Rob (Gonzales) Schofield. 2. with 37 points, Rick Kenneal. 3. with 36 points, Bob Rogers. Nearest the Pin, Tony Bremer. Longest Drive, John White.

Congratulations also to David Murdoch, Surrey Section's latest Master Greenkeeper, and after early retirement for Nevil Shade, David Langhein and David Wyborn now in joint control at Foxhills.

Brian Willmott

## Kent

After a three month absence, we're back.

June 8 saw the Section's first golf day of the year. A total of 39 players took part in the National Championship Qualifier at Faversham Golf Club.

After a very wet start to the year, the weather was kind to us with perfect conditions for golf. However, on this occasion it was the golf course that was the winner with some very high scores being returned.

Results: 1. Gross, James Bent, Brokehill GC, 77; 2. Lee Sayer, London Club, 86; 3. Duncan Kelso, Kingshill GC, 87. 1. Handicap, Andrew Howarth 85-12=73; 2. Gary Tait, 89-15=74; 3. Phil Hurst, Herne Bay GC, 94-19=75.

Congratulations to James Bent and Andrew Howarth who qualify for the National Championship. Good luck guys.

Our thanks to both Scotts & Charterhouse for their continued support in sponsoring the day and to all other members of the trade for donations received, helping to make the day a great success.



For a versatile, stylish utility vehicle, there's nothing more sure-footed than Toro's new Workman 2100. Superb performance, big payload capacity, tipping cargo bed with separate storage sections, fold-down tailgate and tight turning radius are just some of the attractions.

But its biggest bonus is its unique Toro-exclusive 'twister' Active In-Frame Suspension which gives outstanding traction. The 'twister' suspension allows 15 degrees of flex in both directions, so the vehicle can travel over uneven terrain when fully loaded and still keep all four wheels on the ground.

To minimise weight, prevent rust and rattling, the new 2100 makes extensive use of durable, heavy-duty plastic bodywork and, with pedal-start accelerator and pedal-stop brakes, is an ideal workhorse for golf courses, sports grounds, parks, campuses, camp sites and many more.

Simply telephone 01480 226800 and we'll arrange for a local dealer to contact you.

**TORO**

**BRINGS QUALITY TO  
THE SURFACE**



A big thank you also to all at Faversham for all their efforts in making the day very enjoyable.

Our second tournament of this year was held at Brokehill Golf Club on July 25. Results to follow next month.

## Essex

The 2000 Summer Tournament sponsored by Banks Amenity Products Ltd - thanks Simon - was staged at Theydon Bois GC on 13 June. Head Greenkeeper Jonathan Barnard, along with Dep. Head James Morgan and Assistants Martin Howard, Stephen Heritage and Nicholas Kikkides should be congratulated for their efforts in delivering a well presented course for the 30 or so greenkeepers, trade and guest participants who rose to the challenge of negotiating their way round one of the tightest courses in the Essex Section.

It was decided by the powers that be, to divide the handicap categories into two rather than the usual three groups, these being 0-15 and 16-28. Overall winner of the tournament was, yes, you guessed it, Andy Sheehan, with a very credible 35 points. Andy picked up some more crystal glasses donated by Steve Denton of Rigby Taylor. The top three places

in the 0-15 category were 1. Ian Duncan, a new face in our Section with 33 points; 2. Ray Clark, of Channels GC, also with 33 points and 3. Anthony Kirwan, of Colchester, with 31 points.

The 16-28 category results were as follows: 1. D Banks with 26 points, 2. Theydon's own James Morgan, also with 26 points and 3. Peter Cannon, the second of our prize winners from Colchester, who scored 25 points.

Longest Drive went to Stephen Tovey, of Orsett fame. Nearest the pin went to Advanta Seeds new boy, Matt Gresty, who also took the Trade prize with 32 points and finally the Guest prize when to Theydon's greens Chairman, Phil Bowden.

Thanks should be extended to Theydon Bois GC, their catering and clubhouse staff for ensuring our day was as enjoyable, both on and off the course.

Additionally, Avoncrop Amenity, Driving Force Leisure, Sherriff Crop Care, Grass Roots and CMW for sponsoring raffle prizes and the like.

I received many comments about my last report and from what was heard in the clubhouse it would suggest that you phoned each other also. This means that the quips

made at certain people's expense actually got members within the Section talking at times other than golf days and as far as I am concerned, that is what it's all about. Only three things to comment on really. John & Hors-es, Carl & Dukooks, Stephen & Shirts.

Our next day is at Abridge Golf and Country Club on Friday, August 18, playing for the Autumn trophy. I'm sure John and Steve will have it in tip top condition as usual.

The Essex Section v East Anglian Section playing for the Tuckwell Cup at Stoke-by-Nayland Golf Club on July 25 will already have been played for and undoubtedly won by our boys. The report will follow in the next issue.

Finally, on a more serious note, I was informed of a few members deserting BIGGA, presumably because they are of the opinion they do not get much out of it.

Like everything else, you will only get the most out of them if you are prepared to put a little in.

If any club is debating whether or not to affiliate their greens staff to BIGGA and you need convincing as to its benefits, just give me a ring. 01378 551350

Steve Crossdale



**South West  
and South Wales**  
Paula Humphries  
Tel: 01288 352194

## Devon & Cornwall

The Section would like to congratulate Steve Evans who is moving from St Enodoc GC to take up his new post as Head Greenkeeper at Yelverton GC after many practice runs and his visa clearance to work in Devon. Steve knows he will be with many of his friends at Yelverton and I am sure he will keep the course in a spick and span condition.

As in previous years the Section will be holding six meetings during the winter as follows: October 25, Roffeys Meeting, Dainton Park; November 15 DGM Meeting, Launceston; December 6, P J Flegg Meeting, Okehampton; January 31, Barenbrug Meeting, RND; March 1, Avoncrop Meeting, Thurlestone; March 28, Aventis & Supaturf Meeting, Roserrow.

Please note the following booking terms and information listed below for Section meetings.

● Golfing members to receive starting times before meeting with a draw for partners.

ALWAYS OUT FRONT

# SMITHCO

**4 Sprayer  
models  
available**



**A range  
of utility  
vehicles &  
trailers  
available**



**2 models  
available**



**12 models  
of bunker  
rake  
available**



for details or a demonstration contact...

**Marlwood Limited**

Court Lodge Farm, Forge Lane, East Farleigh, Maidstone, Kent ME15 0RQ

Tel: 01622 728718

Fax: 01622 728720

email: marlwood@kentnet.com.uk



● For our foursome & greensome events you may enter with a partner with your opponents being drawn.

● Company and golf presentation to conclude the day.

● A levy of £2 will be added to each entry received after the closing date.

● As some members have problems paying before meetings, they will be able to continue to pay on the day without being levied as long as the entry has been received before the closing date. Any member who doesn't attend after entering will be invoiced if no payment is received.

Richard Whyman

### South West

I didn't quite have enough time to receive and publish the results of the Summer Tournament held at Erlestoke, so I will get them published in next month's issue.

There are a number of other events fast approaching, including a match against the South Coast Section taking place at Marlborough GC on 5 September 5. A match against the South Wales Section will probably take place in October.

The next sectional event will be at Weston GC on November 2,

that will be followed by the AGM.

This AGM will, I'm sure, attract a lot of competition for highly sought after positions on the Section committee, especially that of Education and Monthly reports Officer.

Also planned for later in the year is a talk to be given by James Dobson, from PSD Agronomy, about greenkeeping and course maintenance. Guy Woods has invited James to hold the talk at Bath Golf Club in mid December.

This talk was originally aimed at enlightening the members of Bath GC but Guy thought it would be a good idea to extend this invitation to local greenkeepers.

The mixture of greenkeepers and members would, I'm sure, provoke plenty of lively debates.

I've no idea at the moment about an actual date or the cost of the talk, but I will keep you informed with more information next month.

The only course which I have coming up is a one day Fire Safety for Greenkeepers course, being held at Gloucester fire station on September 7.

At present I have about three

places left, so book now to avoid disappointment. If you have any news or information which you would like me to write about, please telephone on 01249 783382.

Paul Cunningham

### South Wales

I was standing by the 2nd green at the Royal Porthcawl on a fine summers day looking across the rocky foreshore to the Devonshire coast, turned towards the Swansea direction and a thought occurred you know what its like, the thought being what can I write in this month's Around the Green.

Well it starts by mentioning Pencoed College and their 75th Anniversary and Open Day held on June 24.

The event was well attended with plenty going on and to see from equine, horti/agriculture, floristry and many more interesting things besides. Thanks to those who manned our stand you know who you are.

Then I bring you up-to-date with the goings on at Ashburnham GC and the Management tournament to be held at the Celtic Manor Resort next month.

I must mention a huge congrat-

ulations to Jim McKenzie and staff for the superb condition of the Celtic Manor during the Wales Open. Although it would have been great to have seen the event live on BBC TV some of us have not got Sky you know.

The Rigby Taylor Qualifying rounds should have taken place towards the end of last month, even I am having a knock this year so look out, myself and David Ward should not be taken lightly, ha ha probably will not make it through the first stage.

Catch up with the stats of the qualifier next month.

Richard Hatcher



**SCATS**  
GROUNDCARE

# Closing Down Sale

## OF PROFESSIONAL EX-DEMO STOCK

Description		Hours	Age	Condition	RRP	Offer
Jacobsen Greensking V	c/w Groomers and Backlapping	300	03/12/98	Good	£25,135	£10,000
Jacobsen Greensking V	c/w Backlapping	60	30/03/98	Very Good	£21,329	£10,000
Jacobsen LF3800	c/w 9 Blade Reels, 4WD and Roller Scrapers	400	17/07/98	Good	£33,095	£20,000
Hardi Greens Iron 3000	c/w Trailer		20/5/99	Average	£5,290	£1,500
Jacobsen Verticut Units for Greensking V			14/07/98	Mint	£2,795	£1,250
Ransomes T-Plex 185D	c/w Grass Catchers	75	11/06/98	Good	£16,600	£9,500
Jacobsen SV2322D	c/w 540 PTO	20	01/05/99	Mint	£16,420	£8,500
Wessex HTC18 Scarifier	c/w Auxiliary Valve Kit		02/05/99	Excellent	£9,350	£5,500
Hardi Hand Lance	c/w Twin Nozzles		23/4/99	New	£85	£50
Trojan Greenkeepers Trailer			30/4/99	New	£952	£500
Jacobsen Grey Box Kit for Triking 1900			06/05/99	Good	£630	£250
Wessex 2.5 Ton Trailer	c/w Flotation Tyres		01/01/00	Very Good	£2,240	£1,200
Ransomes G-Plex 2	c/w 9 Blade Cutting Reels	40	10/09/99	Mint	£19,805	£11,000
Polaris Sportsman 335 ATV			29/10/99	New	£4,695	£3,000
Polaris Sportsman 335 ATV			07/06/00	Very Good	£4,695	£2,900
Risboro Turf Sparky Rapid Facer			29/1/00	New	£299	£100
Logic UET 402 Unibuild Trailer			02/10/00	New	£495	£400
Lewis 7 Tine Grab	Suitable for 35Q Loader		28/3/00	Very Good	£877	£350
Grays 5' Transport Box	c/w Tipper		22/5/00	Good	£490	£200
Iseki Super Flotation Tyres	Suitable for TA545/546		31/1/00	New	£2,215	£1,750

For further details please contact Robert Joy on 0374 700383 or email to [robert.joy@scats.co.uk](mailto:robert.joy@scats.co.uk)



## Northern Ireland

When I was young, the summers lasted forever, now it seems in Golfland the summers go past in a blink of an eye, so I know I'm getting old.

From the first competition in March to the last one in September, Saturdays just seem to be consecutive days.

Probably by now most of you will have had your Captain's Day and I hope the weather was kind and that the day went off well for you. This was the first year for many a year at my club that it didn't rain on Captain's Day; also the sun put in an appearance for an added bonus, so I was especially pleased.

Friday 30 June saw us at a Charity Golf Day at Clandeboy GC. We had a mixture of Greenkeepers, Golf Convenors, Secretary Managers, members of Clandeboy and folk from our trade in attendance.

It was good to see so many turn up; around 80 to support a Charity Day.

Many thanks must go to the Captain and Council at Clandeboy GC for giving us the course for the day, and also the catering and bar staff, who looked after us so well.

I was rather disappointed in the condition of the course; I thought Terry would have had his team out to at least tidy the course up a bit. Only joking Terry!

The course was, as ever, in immaculate condition and yourself, Aaron Small and team must be commended on producing a high quality course through difficult weather conditions, especially on the morning of the event.

Our main sponsor was Clive Richardson, of Horta Soils, also WD Irwins and Spa Golf Club. Many thanks to all the above; without your help these days would not be as successful.

The individual winner was Lee Cartwheel with 38 points. Lee started work at Malone GC the

previous day and came out on the Friday and cleaned up.

Well done Lee!

The team event was won by W D Irwins for the second year in a row; so there must be more golf being played than work going on in that part of the world.

Congratulations lads and I hope you can make it a hat trick next year.

Around £1100 was raised over the day and the charity chosen is the Ward for Sick Children at the RVH.

This is a great sum of money and may help a little to buy something the ward really needs.

The day was organised entirely by Terry Crawford. Venue, meals, sponsors, comedian and gathering up as many greenkeepers as possible.

Thanks Terry for a great day and for your obvious hard work that went into it; and we all know it will be a success again next year.

Congratulations to Paul Lappin, who moves from Bangor to Kirkistown as Course Manager.

Good luck Paul and from all the staff at Bangor we wish you the very best.

Russell Graham, First Assistant at Castlerock finally got married on June 23 to his bride Susan. Russell was engaged for nine years, which shows he doesn't rush into anything. Very best wishes to you and your new wife and good luck for the future.

Paul Mathieson, Head Greenkeeper at Holywood, wins the top student award at NVQ Level 3. Also Alistair Hamilton, Head Greenkeeper at Gilnahirk wins top student at NVQ Level 2 at Greenmount College. Outstanding work lads, keep it up.

New members to the region are Adrian McStraw from Lugan GC and Allister Irvine from Brightcastle.

Hope to see you at all of the forthcoming events.

Catch you later.

Iain Harrison

## THE CHARTERHOUSE/SCOTTS NATIONAL CHAMPIONSHIP FOR THE BIGGA CHALLENGE TROPHY



### Ayrshire

Alan Forrest  
Duncan Gray

### Central Scotland

David Leith  
Alex Robertson

### East of Scotland

Ian Bell  
Richard Mullen

### North of Scotland

Mike Wilson  
Richard Pendlebury

### West of Scotland

Gerry Bruen  
John Brown

### North East

Steve Quince  
Barrie Wilson

### North West

Jared Ellison  
Kevin Irving

### Northern

Richard Harris  
John Waite

### Cleveland

Oliver Shepherd  
Darren McGee

### Sheffield

Andrew Lomas  
Mark Crawshaw

### North Wales

Allen Lewis  
Andy Peel

### East Midland

James Tudor  
Antony Bingley

### East of England

Les Howkins  
Graeme Macdonald

### Berks, Bucks & Oxon

Simon Austin  
Mike Smith

### Mid Anglia

Mark Whittle  
Russell Howson

### Surrey

Brian Turner  
John Groombridge

### Kent

James Bent  
Andrew Howarth

### Sussex

Richard Clarke  
Dustin Houghton

### London

Richard Andrews  
Ian Semple

### East Anglia

James Wright  
Robert Whiting

### Essex

Tony Kirwan  
Andy Sheehan

### South West

John Byrne  
Gary Cook

### South Coast

Marc Green  
Darren Miller

### Devon & Cornwall

Tony Ramsden  
Mark Tucker

### South Wales

Andrew Roach  
Steven Lloyd



### UK OFFICE:

50a Market Place  
Thirsk, North Yorkshire YO7 1LH  
Tel: (01845) 525585  
Fax: (01845) 523133  
e-mail: horticulture@jmcl.freesevice.co.uk

Here's what some of our **HUMATE + BIO-SYSTEM** microbial customers have to say:

"Last summer... I was able to maintain a tight, lush turf with a 3-4" root system, while many courses in the area were losing grass."

"Within 2 1/2 weeks, I had 3" roots with the microbes and 8" roots where I used HUMATE Ag and the microbes together."

"The root mass was 2-3 times that of the non-treated green..."

"Two inches of thatch were reduced to less than 1/2" in less than two months."

**Humate International, Inc.** - - [www.humateintl.com](http://www.humateintl.com)

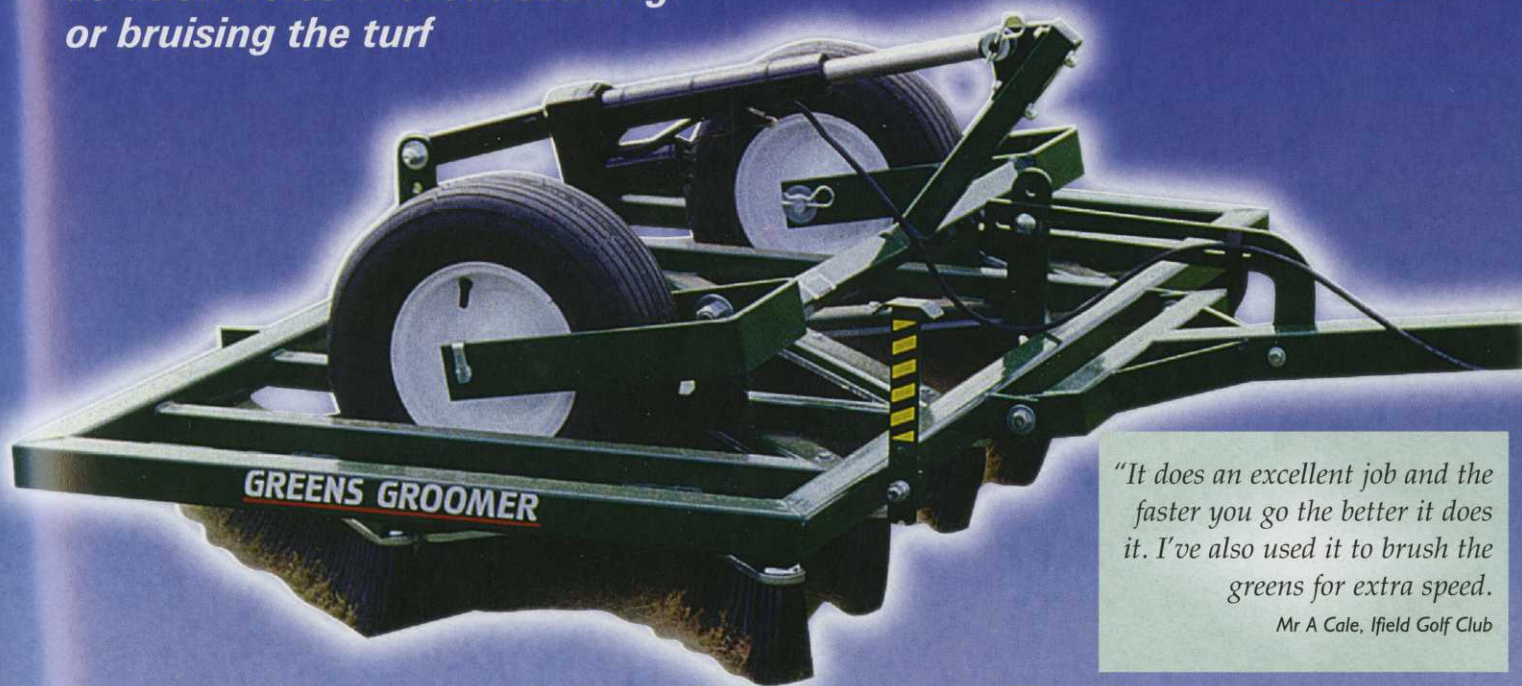


# THE FAST WAY

## TO TOPDRESS AND GROOM YOUR TURF

*The Greens Groomer's Patented design uses 14 separate brushes to move the sand in all directions, gently rubbing it in and filling aeration holes without scuffing or bruising the turf*

*Used by top courses from St Andrews to Augusta*



*"It does an excellent job and the faster you go the better it does it. I've also used it to brush the greens for extra speed.*

*Mr A Cale, Ifield Golf Club*



*You can even rub in while you spread!*



*The 17' wide Triple Gang quickly grooms Fairways, stands up the grass before mowing, and disperses dew and worm casts.*

Phone for a  
**FREE**  
demonstration

**GreenTek**  
**0113 267 6000**



**Dr Stan Williams gives you the low down on English Charcoal, a traditional product which is making a comeback**

# Black is back

Charcoal was widely known by stone age man while throughout the ancient world charcoal was one of the essentials for practical alchemy and was used to supply clean, smoke free heat and by its reducing power to chemically transform ores to liquid metals.

The blacksmith's forge and the smoothing iron were also dependent on the product before the advent of gas and electricity and to meet these needs the charcoal maker, cum woodsman, was once as familiar as the proverbial butcher, baker or candlestick maker. Not surprisingly the uses of charcoal to improve soils and growing conditions for all manner of plant life were discovered and experimented with over the ages by the charcoal maker's farming and gardening neighbours.

With the increasing mechanisation of rural Britain between the world wars, this labour intensive craft went into decline and many uses of charcoal in horticulture were forgotten as

it became less and less available.

In recent years, however, it has revived and with increasing awareness of environmental issues charcoal production has followed their lead to serve a large modern leisure market, which imports over 40,000 tons of charcoal annually to feed barbecues. Unfortunately there is a considerable ecological price to pay since much of this import is made from sensitive rain forests and mangrove swamps in clear fell operations. By contrast the traditional harvesting techniques in England exemplify sustainable woodland management.

Charcoal was made from hardwoods such as oak, beech, ash or alder, regularly harvested as coppice or pollarded wood in a sustainable way. Great areas of woodland were carefully managed over long periods of time to this end. The seasoned logs were stacked into clamps covered in turves and fired with careful control of the air supply, so that the fire at the base of the stack baked the wood to charcoal without burning it away. Today the same process is carried out in large steel kilns like giant wood stoves or else in large ovens called retorts. Both are used in small businesses, often as a diversification of a woodsman's primary business.

The equipment is not excessively expensive but a lot of timber is needed. At least four tonnes are needed to make one tonne of charcoal in a retort and as many as six in the more traditional ring kiln.

English charcoal is distinct from that imported from the tropics. It is lighter and more porous. Partly this is because of the species of timber being used, but mostly it is because English charcoal is completely carbonised. This gives it all its distinctive properties including those which can aid the turf specialist.

Charcoal, when

properly made, is virtually pure carbon. It is granular, is very porous and has an incredible surface area. The total area of the micropores can be as high as 300 square metres per gram. This surface has a strong tendency to stick to other molecules large and small and will therefore bind metal ions from solution and even trap fungal or bacterial spores. These properties can be useful to horticulturists and also underlie its use for all sorts of purification processes in industry.

Botanists might be interested to know that the micro structure within charcoal accurately reflects the structure of the cells in the timber from which it was made. A tiny chip of charcoal under microscopic evaluation by the experts at Kew can reveal the species of tree and even the diameter of the original log. Given that charcoal is completely non-biodegradable and is unchanged by anything short of burning, this property has been very useful to archaeologists.

Our forebears discovered the properties of charcoal as described by accident. This led to various traditional uses in horticulture all based on the ability of charcoal to remain porous even when compacted and to allow gases and liquid water to diffuse up or down in a controlled fashion. Just what any badly treated root zone is crying out for. To complement sharp sand charcoal grains have the following properties:

- lighter and easier to apply
- porous even when compacted
- retain moisture
- suppress spores
- sterile
- evenly distributes nutrients
- almost neutral pH
- does not biodegrade
- locks up poisons

There are several post war books offering practical guidance on how to apply these principles.

Dawson's Practical Lawncraft, first published in 1939 (latest edition 1977) states that charcoal is excellent as a top dressing and at the rate of 0.25 - 1Kg per square metre the colour of the grass deepens. For firm well estab-



lished turf a fine grade, 1.6 mm to dust, is recommended and for wet places larger grains 6.4 - 3.2 mm should be used. In either case the dressing must be worked in with harrow, chain mat or drag bush. This view is endorsed in J. R. Escritt's book the ABC of Turf Culture (1978) who states that "when surface conditions tend to be too moist and airless a proportion of a material such as granular wood charcoal may be useful in the top dressing".

Martin Sutton's book Lawns and Sports Grounds (1962) also advocates charcoal to improve soil structure in poorly draining and aerated soils. The options suggested are to add hard structures, sand or charcoal, or to precipitate clays with gypsum. Only charcoal, however, adds a unit of structure which is more or less permanent and is in itself porous. Sutton advises that charcoal, 6mm to dust at up to 1 Kg per square metre is "exceedingly valuable for turf surfaces liable to become badly saturated". Advice is also given for sites in preparation where granules at 1-2 tonnes per acre can improve the porosity of the top soil. It might be that charcoal back filled into slit trenches gives better access to pipe drainage than sand.

**Below: Showing the before (top) and after (bottom) effects of careful coppice management**







Often "black layer" is the least acceptable outcome where turf has become compacted, wet and anaerobic. A. J. Turgeon in *Turfgrass Management* (4th Ed.) comments that this is due to anaerobic bacteria producing sulphide gases either by acting on normal soil components or perhaps on a sulphur dressing added to reduce pH. Either way the soil pore spaces are clogged with metal sulphides (iron, manganese, magnesium) and all oxygen is excluded. The addition of charcoal will trap the sulphide gases which cause the problem and provide immediate airways for a better microflora to re-establish itself. In extreme cases hollow tining and backfilling with charcoal grains could solve the problem.

Suggestions for more chemical uses are made by W. H. Daniel and R. P. Freborg in *Turf Manager's Handbook* (1980) where an application of 50 - 100 Kg per acre is suggested to "tie-up" organic chemicals used to excess. If you have had a spillage of hydraulic oil on the 18th green then the rapid application of a generous cover of fine charcoal will absorb the noxious chemicals. Horticulture exploits this property in the band treatment of seed rows. Seeds are planted in rows and covered with a

band of charcoal. The whole area is then sprayed with herbicide and the carbon protects the emergent seedlings. A sort of pre-GM-technology for introducing herbicide resistance!

Our product has been used at the Brampton Heath Golf Centre, Northampton, this spring to treat the worst areas of black layer on one or two of the greens. After hollow tining, charcoal fines 5-2 mm were brushed in to back fill the pores. Steven Grass, the Head Greenkeeper, reports that the charcoal definitely did the job of capturing the sulphurous gases and increasing the greenness of the sward.

This was the first application on these areas and had the desired positive effect on the symptoms of black layer. In bad cases several treatments over one or two seasons are likely to be cumulative by permanently changing the physical structure of the root zone.

When making comparisons between various materials as top dressings it must be remembered that the density of charcoal is relatively low. You get about one tonne of sharp sand in a cubic yard, but the same weight of dry charcoal fines would be four to five times the volume, the larg-

er mesh sizes being less dense. If you are buying by weight and thinking of the volume of the spread, then this factor of four or more must be borne in mind.

Rates of application depend greatly on the needs of the turf but from the literature of traditional uses about 0.5 Kg per square metre would be a mid-range application and would equate to approximately two litres of material. If this is spread evenly the layer will be 2mm thick, just enough to make a complete cover on a hard surface. On turf, of course, the granules are rapidly distributed vertically and hidden among the blades of grass when worked, so the dressing has little if any cosmetic effect.

Charcoal has never been cheap! Carter's Blue Book of Gardening, of 1931, has horticultural charcoal at 'four shillings and sixpence for a bushel bag' i.e. about 40 litres, weighing in the region of 12 Kg. In 1931 "four 'n' six" would have bought a couple of pounds of steak, say £12 in today's money, but at that price charcoal was still considered very good value.

If the natural world is to have a future then we must all strive to contain and where possible to reverse

the ecological damage that has been done over the last few decades. This will mean in practice that everyone in society must be educated on the issues and be aware of the implications of their activities.

There is no quick fix, and the optimum solution will undoubtedly combine both the old and the new. Although the idea of an organic golf course with no use of fossil fuels or man-made chemicals is a wispy daydream, it would be realistic to "teach everyone that a bit of Mother Nature, good environmental practice and above all patience and time are the keys to the future", to quote from the March 2000 issue of *Greenkeeper International* (Lessons Learned page 28).

This is perhaps where English charcoal fits in, both on the golf course and with its production helping the wider environment of our countryside.

**Dr Stan Williams is Senior Director of E-CO Company Ltd, a Kentish company dedicated to the sustainable use of English woodlands**



# Winners from Vitax

## Estermone

- Controls a wide range of weeds on all areas of turf.
- Showerproof formulation, resists wash off by rain.
- Low application rate - the most cost effective turf weedkiller in use.
- Can be tank mixed with 50-50 liquid turf fertilisers or Seaturf soil conditioners.
- Concentrated formulation reduces storage and disposal problems.



PACK SIZES 5 litre & 10 litre  
Contains 2,4-D and dicamba

## Fairy Ring Destroyer

- Controls all types of Fairy Ring eg Type I (*Marasmius oreades*), Type II (*Agaricus*, *Lycoperdon* and *Sclerotinia spp*) and Type III (*Hygrophorus*, *Psilocybe* and other basidiomycete species).
- No unsightly spray deposits - Fairy Ring Destroyer is a clear liquid which mixes readily with water and does not leave a powdery deposit on leaf surfaces.
- Easy measure pack - Comes in an easy measure 1 litre pack which delivers accurate doses every time without spillage and without waste.
- Good grass safety record - Fairy Ring Destroyer has been used successfully on a wide range of turf types, including fine turf areas such as golf and bowling greens.



PACK SIZE 1 litre  
Contains triforine

## Tecto

- Provides excellent control of Fusarium Patch (*Microdochium nivale*), Dollar Spot (*Sclerotinia homoeocarpa*) and Red Thread (*Laetisaria fuciformis*).
- Curative effect on contact even at low temperatures. Stops disease and established infection quickly and effectively.
- Systemic action prevents reinfection.
- Controls several minor turf diseases including Leaf Spot (*Cladosporium spp*) and Powdery Mildew (*Erysiphe graminis*).



PACK SIZE 1 litre  
Contains thiabendazole

## Twincarb

- Provides excellent control of Fusarium Patch and Dollar Spot.
- Excellent control of casting worms, at economical rates.
- Systemic action prevents reinfection.
- Easy to use non-irritant formulation.
- Five litres treats up to 6250 sq.m. (1½ acres) for disease control and 12500 sq. m (3 acres) for worm cast control.



PACK SIZES 1 litre & 5 litre  
Contains carbendazim

## Ultraflo

- Once-a-year treatment. Ultraflo's highly effective wetting action persists for up to 12 months - normally eliminating the need for subsequent treatments.
- Low foam, non-ionic wetter - easy to mix even in cold water and in cold conditions.
- Rapid and deep penetration through thatch and dry patch affected turf.
- Improved wetting reduces risks of run-off from sloping ground, flooding and waterlogging of turf.
- Ideal pre-treatment for deep seated fairy rings.



PACK SIZE 10 litre

## Ultraflo Granular

- All the benefits of Vitax Ultraflo liquid in an easy-to-apply granule.
- New formula gives faster penetration.
- Totally biodegradable carrier.
- Rapid granule breakdown.
- Cost effective - one pack covers 500 sq.m.



PACK SIZE 15 kg



Always read the label: Use pesticides safely.

For further information please contact one of our Technical Advisers or contact Vitax direct:  
Vitax Limited Owen Street, Coalville, Leicestershire, LE67 3DE Telephone: 01530 510060 Facsimile: 01530 510299  
E-mail: info@vitax.co.uk Website: www.vitax.co.uk



**IOG SALTEX (Institute of Groundsmanship's Sports, Amenities and Landscaping Trades Exhibition, Windsor Racecourse, 5-7 September 2000) has announced details of its free seminar programme**

# Saltext 2000

**Windsor Racecourse, 5-7 September 2000**



This year's SALTEX seminar programme covers five separate themes - sports surfaces, play, horticulture/arboriculture, grounds care and landscaping. The seminars are free to all visitors but visitors will be able to pre-book places at all of the seminar sessions via the IOG SALTEX website, [www.iogsaltex.co.uk](http://www.iogsaltex.co.uk)

Among the line-up speaking as part of this year's programme is Jim Robertson, Landscape Manager, at Legoland Windsor; John Hewitt, Managing Director of Hewitt Sportsturf, whose company provides a consultancy service to Premiership football clubs like Arsenal, Chelsea and West Ham, while returning for a second year, due to popular demand, is Chris Wood, pitches consultant for the England and Wales Cricket Board.

BIGGA will have its usual strong presence at the Show with a well appointed stand welcoming existing and prospective members. Anyone with questions to be answered, forms to hand in or merely wanting a chat will be most welcome to the Stand - G1.

Among the companies providing an insight into the latest industry thinking as part of IOG SALTEX's free seminar programme are Bernhard, Farmura, Greenlink International, HSE Woodworking, Milliken Chemical, Nomix Chipman, Sybron Biochemicals, Toro and SISIS, who will be leading a panel discussion of problem solving experts just waiting to help solve your problems.

SALTEX is an occasion when the whole open space management industry gathers together and as a result operates as a forum for exchanging information and ideas.

"Nobody has a monopoly on all the good ideas. You can always pick up new ideas if you are prepared to listen. The seminars give people the opportunity to look at a situation or deal with a problem in a different way," said keynote speaker, Jim Robertson.

To reserve your place at any of the free seminar sessions or for free tickets to IOG SALTEX visit [www.iogsaltex.co.uk](http://www.iogsaltex.co.uk) or call the Free ticket hotline number on +44 (0)810 751 1510.

## How to get to Saltext

**SALTEX is held at Windsor Racecourse. About 20 miles west of Central London, Windsor is easy to reach by rail, road and air. Heathrow is only a fifteen minute drive away; Gatwick and Luton are within an hour's drive.**

### BY ROAD

From the M25. Leave the motorway at Junction 15, where you'll join the M4, heading west.  
From the M4: Westbound - leave M4 at junction 6. Eastbound - leave M4 at junction 8/9. Then follow brown and white signs for Windsor racecourse.

### BY BUS

Windsor Express bus numbers 700, 701, 702 and 703 connect London with Windsor. The 718 Royal River Route service connects London Victoria with Windsor.

### BY RAIL

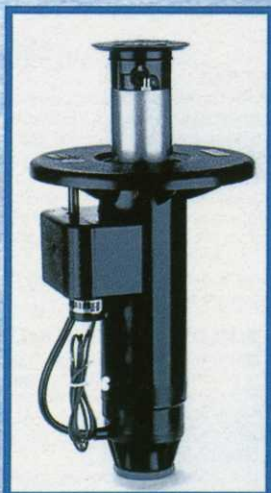
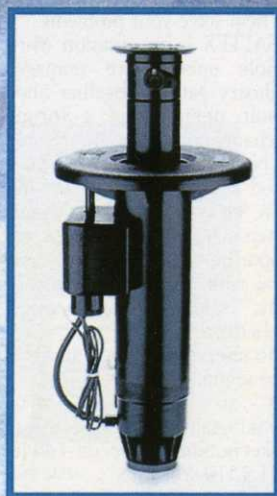
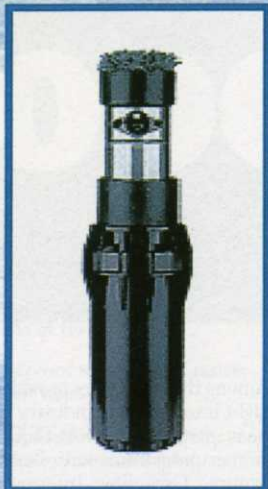
From London Paddington: Leave the train at Slough and join the local service to Windsor and Eton Central Station. Approximate journey time is 35 minutes.  
From London Waterloo: Leave the train at Windsor and Eton Riverside Station. Approximate journey time is 45 minutes. Information about British Rail services is available on 0345 484950. A bus shuttle runs from the stations to the showground.

### FROM THE AIRPORT TO SALTEX

From Heathrow: Bus nos. 701 and 726 for Windsor or M4 route, as above.  
From Gatwick: M23 Northbound to exit 7. M25 Westbound to exit 15. M4 to exit 6. Then follow 'By Road' directions, above.  
From Luton: M1 southbound to exit 21. M25 Westbound to exit 15 to M4. Exit 6 for Windsor. Then follow 'By Road' directions, above.



*SALTEX 2000  
Covered pavillion  
Stand 16/17*



*Dedicated To Irrigation  
Golf Courses, Sports Fields,  
Landscaping and Gardens.*



*Water Storage Tanks*



*Web Site: [www.evenproducts.com](http://www.evenproducts.com)*



**Hunter<sup>®</sup>**  
**GOLF**

*EVENPRODUCTS LTD, EVESHAM, WORC'S, WR11 4TS*

*Tel: 01386 41212 or Fax: 01386 423769*



### AF Trenchers Stand C27

At SALTEx 2000 A F Trenchers Ltd introduces their new WIZZWHEEL 75 tractor mounted slit trencher. It combines the best feature of the well-known WIZZWHEEL 55 with a maximum digging depth of over 750mm, a new high capacity conveyor, hydraulic crumpler and pipe laying facility. Also new is the very competitively priced range of AFT ATTACHMENT BACKHOES for skidsteer loaders and tractors from 15hp. With maximum digging depths from 1.4 to 3.6 metres, all these sturdy backhoes come with built-in hydraulic tank and filters, 180° rotation and full sideshift with hydraulic clamps. Quick to attach and easy to operate with joystick controls, these backhoes convert any tractor in a professional (mini) excavator.

### Advanta Seeds UK Stand F22-24

Amenity grass seed breeder Advanta Seeds UK will be presenting five of the company's most popular branded mixtures at Saltex this year. Grown specifically for the event by Greenkeeper Turf in Nottinghamshire, the displays will demonstrate how well Advanta's cultivars perform when grown in a mixture. On show will be MM10, MM50 and MM60 from the premium 'Advanta MM' range, and Premier Sport and Estate from the 'Designer from Advanta' portfolio. Visitors will also have the chance to win one of two £50 instant cash prizes each day in the 'MM50 lucky dip golf ball competition'.

### Amazone Stand B11

Versatility, Performance and Application - With Amazone Groundcare products you get all three. See for yourself or view on our Interactive CD Product Guide Groundkeepers - Mow, Scarify, Roll, Collect or Mulch - not only grass. Profihopper - Self propelled, zero radius turning with a unique auger collection system. Wet conditions -

No Problem  
Combination Units - Seeding, Overseeding, Burying, Maintaining - New, Existing, Artificial or Special Playing Surfaces  
Topdressers & Spreaders - Fine or Coarse materials. Single or twin disc, trailed or mounted through to high capacity trailed units with PTO or Hydraulic drives.  
Slitter/Aerators - Simple and Effective

### Amentiy Land Services Stand Ro8

Lebanon fertiliser range - only from ALS!  
The Lebanon range of professional products is now recognised as the number one choice World-wide for greenkeepers and discerning turf managers. This superb choice of products is now available in the UK and Ireland, exclusively from Amenity Land Services Ltd. Within the range are the following outstanding turf products: Isotek is a range of homogeneous fertilisers with dual source slow release nitrogen (Ibdu+Methylene Urca) which is ideal for fine turf areas. This provides turfed areas with an unmatched nitrogen package in a dust-free homogeneous granular form. This is regarded as The All-Weather, All-Terrain fertiliser. Within the Pro Range, for larger

areas such as fairways and outfields comes the unique controlled fertiliser Poly-X PRO whose coating allows granules to break down slowly. The turfed area therefore receives both consistent feeding and results. The coating provides a resistance to fracturing, despite the blending, bagging and spreading processes. All the Pro range comes in optional amounts with slow release nitrogen. The Perk 4-0-10 stress relief formula product is a unique, homogeneous formulation of essential turfgrass nutrients, engineered to avoid stimulating growth. Over 25% of this product are derived from organically compressed iron. A further example of the Lebanon style of product, for fine turf areas. The full range can be inspected at Saltex 2000 on Stand No. R08.

### Amenity Technology Stand D71

Since launching "Amenity Update", the latest and greatest trade magazine, Amenity Technology has reached an even wider audience with our range of high quality, innovative, golf and turfgrass products. The magazine, which reaches over 16,500 industry professionals includes, educational features, competitions, job vacancies and much more. Visit



Wherever  
Golf is Played

# Par Aide UK

20a Beeching Park, Wainwright Road,  
Bexhill on Sea, East Sussex TN39 3UR  
Tel: 01424 819008  
Fax: 01424 819007

For more information contact  
Andrew Lofting on 07771 880385

## QUALITY GOLF COURSE & DRIVING RANGE EQUIPMENT

**STANDARD GOLF COMPANY U.K.**

**RANGE SERVANT**

**PAR AIDE**

**BALL WASHERS**

**FLAGS**

**FLAGPINS**

**TEE MARKERS**

**FULLY AUTOMATIC ELEVATOR**

**BALL DISPENSERS 5000 TO 45000 BALL CAPACITY**

**BALL WASHER**

**BALL COLLECTOR**

**JUNIOR TEE CONSOLE**

**RAKES**

**TRASH MATE**



stand D71 to pick up the new edition and to subscribe for free. Also on display will be the latest additions to the Amtec range and a free gift for early visitors to the stand.

#### Aventis Stand T2

A major feature of the Aventis stand will be the launch of a new ultra low-dose fungicide which will treat five entire, average size golf greens from a single 250ml pack. A new CD version of the popular Technical Manual will be available, included an expanded weed identification library, printable product technical details and more sprayer and calibration data. Workstations on the stand will enable visitors to view the free CD.

The stand will feature such well known brands as Spearhead, Helmsman, Roval Green, Vitesse, Crossfire 480, Mildothane, contact and barrier herbicide Zapper and 3-way turf selective Sirocco together with Ready to Use CDA products Vanquish and Xanadu.

#### Avoncrop Amenity Prods Stand H70

Avoncrop Amenity Products are again exhibiting at IOG SALTEx this year and invite you to come and discuss your turf and amenity requirements. Members of our sales team will be available throughout the show to talk you through the products, new innovations and services that we offer.

We are a major distributor for premier manufacturers of fertilisers, chemicals, wetting agents, topdressings, golf and sports ground equipment and sundries. We also supply top grass seed varieties and microbial products.

We shall be focusing on the need for turf managers to adopt an integrated approach to turf management, considering not only traditional fertilisers and chemicals, but also microbial inoculants, bio-stimulants and other organic products to enhance turf performance.

#### Barenbrug UK Stand 112

Barenbrug UK, specialist breeder and producer of grasses for the sports and amenity turf market invite Saltex visitors to their stand to see a demonstration of the superior quality of their grass seed.

Their technical team will be staging short presentations at regular times during each day which will show how Barenbrug's grass seed surpasses even the highest quality standards, ensuring that users get more of their top performing cultivars in the bag! Barenbrug will be proudly displaying their latest top performing cultivars and mixtures - yes, some key new players, Bareine, perennial ryegrass and Barcampia, tufted hair grass will be there!

#### Bernhard & Co Stand P68

Bernhard and Company Ltd, will be using Saltex 2000 as a launch pad for the very latest addition to their precision range of professional grinding equipment, the Knife Rite 1000 bottom blade grinder. Bench-mounted this dry grind machine is highly accurate and easy to operate.

Designed specifically for golf clubs with more restricted resources, this machine makes affordable in-house grinding a viable option. Test after test demonstrates how vital it is to keep mower blades really sharp - says Stephen Bernhard, Managing Director. There is much less tissue damage which lowers the risk of infection. This results in lower demands for water and nutrients to maintain a quality sward.

Visit Bernhard at SALTEx. Stand P68, or telephone 01788 811600, e-mail: info@bernhard.co.uk

#### Charterhouse Stand W28

Charterhouse Turf Machinery will welcome visitors to their extended stand so that they may enjoy products from any of their four operating Divisions:-

The Tractor Division will continue to show new and established items in the Carraro Tractors range including reversible tractors, articulated tractors and Local Authority multi-purpose tool carrying units. Also on show will be our range of ancillary Carraro equipment.

The Richmond Division will be presented in force showing their wide range of hand tools, forestry equipment and tree surgery equipment. All these items and many more are displayed in their



**W**hatever their sport, players deserve a surface that can absorb all they dish out and bounce back for the next fixture. From rugby pitches to golf courses, Johnsons grass playing surfaces can cope with the best of British sport - and the worst of British weather.

Our new range of seeds gives you all the benefits of one and a half centuries of breeding.

So when you want to bring new life, strength and disease resistance back to your playing surface, Johnsons will deliver the goods, season after season.

**Perryfields Holdings Ltd. Thorn Farm, Inkberrow, Worcestershire WR7 4LJ**



catalogue, which will be available free to any visitors.

The Turf Machinery Division will be showing its full range of Verti-Drain, Aeration, Seeding, Top Dressing and Scarifying/Sweeping machinery. The Connoisseur Division will have on display its range of DR Trimmer/Mowers, All Terrain Mowers and Powerwagons, together with all their latest introductions.

### Eagle Promotions Stand D58/60

Eagle Promotions provide an extensive range of services to Golf clubs from the initial course measure through to scorecards, yardage books and other point of play accessories. This exhibition enables us to show our exciting choice of signage for the Golf Industry. Our signage is developing around our ability to create any image etched into zinc plate. These mounted on stone, moulded rock and wood create truly spectacular sign systems.

For more information please contact Philip McInley on Stand D58/60 or call on mobile No. 0860 239354. We look forward to seeing you at Saltex 2000.

Tel: 01883 344244

E-mail: eaglepromotions@comp-  
userve.com

Website: www.eaglepromotions.co.uk

### Envigro Stand K24

Visitors to the EnVigro (tm) stand (K24) at this year's Saltex will be able to discover for themselves why the product is fast becoming one of the UK's most popular organic fertilisers and soil improvers.

Produced by a fast composting process EnVigro is a highly versatile balanced organic fertiliser that is ideal for a broad range of landscaping, parks and horticultural applications. The compost breaks down slowly and uniformly, and so delivers a steady and even supply of humus and nutrients to the soil over a long period. This means no further feeding is required during the growing season.

With its high humus content, EnVigro also possesses excellent water retention properties, whilst the absence of nitrates means it can safely be used without the risk of leaching into water courses. Crucially, EnVigro contains the correct balance of nutrients ('N' 3.5%), ('P' 2.1%), ('K' 3.4%) that is essential to strong, robust growth in both the root zone and top growth. In response to the continuing upsurge in demand for EnVigro, the company is currently investing in a new £350,000 'Silo Cage' production facility - details of which will be available on the company's

stand.

As a general purpose organic fertiliser, EnVigro is variously used as a top-dressing for established lawns and sports pitches, for shrubs, trees and perennials and for annual bedding. Another frequent application is the restoration of the soil's ecosystem where chemical treatments and/or failure to maintain the soil's organic content have altered the natural balance.

### Eric Hunter Grinders Ltd Stand P60

The range of machines on display includes the Jupiter 2000 grinder seen at Saltex for the first time.

The Jupiter 2000 is the next generation of grinders. It will relief grind cylinder and bottom blades of pedestrian mowers in-situ with accuracy second to none. Set up and change over procedures are simple and demolish the argument for purchasing separate machines for cylinder and bottom blade grinding. The Jupiter 2000 combines accurate grinding with versatility. It is 'One-Stop' machine for all uses without compromising on performance and at a price that is hard to beat.

Other products include the OMEGA a new grinder specifically for sharpening circular chipper blades.

### Evenproducts Stand CP16/17

As the UK distributor of Hunter Industries' range of products for turf, landscape and amenity irrigation, Evenproducts can supply an internationally recognised brand which will be installed to the highest standard by your local Hunter Dealership, backed up by Evenproducts who have been established in the irrigation industry for nearly 50 years.

In addition Evenproducts supply Carson valve boxes, pipework and fittings in PVC (imperial and metric), Galvanised steel and MDPE as well as our own manufactured steel sectional water storage tanks and roofs together with all relevant associated components.

Contact Richard Smith on: 01386 41212 Fax 01386 423769

See us at  
**SALTEx**  
Stand  
F19

**ons seed  
success  
our feet**



**Johnsons**  
Sport &  
Amenity

We supply Wembley's 'hallowed turf' and are one of Britain's leading professional turfgrass providers. Proof that good breeding breeds success. Call now for details of your local distributor and receive your free 2000 seed catalogue.

Email: amenity@perryfields.co.uk

Tel: 01386 793135 Fax: 01386 792715 or 01386 792216



### Gem Professional Stand D62

Saltex 2000 promises to be yet another exciting and successful show for Gem Professional. As both a manufacturer and distributor of fertilisers and top dressings, Gem will be launching some exciting new products including two new calibrated spreaders for application of Gem Professional products as well as additions to the Proformula range of turf dressings and the fertispray range. Gem Professional look forward to welcoming you to Stand D62.

### Golf Car UK Stand Q42

Golf Car UK shows expanded club car vehicle range at Saltex. At the Saltex Exhibition, Abingdon-based Golf Car UK will be showing an expanded range of vehicles from Club Car. From general people carrying to turf maintenance and construction work, Golf Car UK can offer a full range of CLUB CAR® utility and transportation vehicles as well as the market-leading range of CLUB CAR golf cars. The CLUB CAR range is the industry's only line of rustproof aluminium frame, chassis, cargo bed and golf

vehicles offering many advantages for applications in the sports, amenity and landscaping industries. The all aluminium construction offers another advantage - a low overall weight spread evenly across the A frame aluminium chassis, a key feature for turf work.

### Groundsman Industries Stand D12

Groundsman Industries, Europe's leading manufacturer of Turf Aerators are now offering five models of pedestrian machines from the model 345MD 18" swath vertical action aerator priced below £3,000 to the highly manoeuvrable 460SDR designed for golf greens. Two tractor mounting units with 48" and 72" swath complete the line-up. This unique range do not require the traditional turf retainer rails. A large range of tines and holders will be on display and available accessories include the highly successful core collector attachment enabling coring and collection in one pass! New launches include the Groundsman TC300 turf cutter a high performance machine built for professionals but with a modest price tag. See this impressive range at SALTEx Stand D12.

### Hayter Stand W15

Hayter is showing a versatile range, with a particular feature being the T424 five-gang ride-on mower, complete with a new ergonomically designed cab. The largest mower on show is the TM739 heavy-duty gang mower with a width of 4.78m. Hayter golf course machines on show include the FM524 five-gang midweight fairway mower and the GM56 precision pedestrian greensmower. Also on display will be the excellent LT322, LT324 and T224 triple cylinder mowers and the high output R314 rotary mower. Completing the line up is the condor pedestrian mower with optional rotary and cylinder attachments.

### John Deere Ltd Stand V4

Functionality, durability, reliability and a quality finish - you get all this and more from John Deere's comprehensive range of equipment for the professional greenkeeper, backed by industry leading parts and dealer service support. Among the newest machines on show are the operator friendly 2500 greens triple mower; the 1600 wide area rotary mower and its brand new stablemate, the 1620, with 2.4m (96in) wide Lastec articulating deck; John Deere's biggest compact tractor, the 48hp model 4700, the most powerful machine in its class to feature hydrostatic transmission; and the Roberine 1903, a self propelled five gang mower with optional luxury cab and standard air suspension seat, providing the ultimate in operator comfort.

# LOGIC Irrigation Ltd.

Tel 01491 20 20 10 Fax 01491 20 18 88 E mail [graham@logicirrigation.com](mailto:graham@logicirrigation.com)

## LOGIC manufacture Aquarius irrigation equipment:

**Aquarius** Impact sprinklers: Rugged & dependable.

**Aquarius** 2100 and 2400 controllers: 2 wire simplicity with Aquarius decoders.

**Aquarius** Universal PC system: Update existing TW2, SC3000, CIC, Primetime & Robydom systems.

**Aquarius** Radio Remote: Gives you mobile control while on the golf course.

# Hunter®

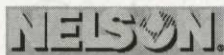
Logic Irrigation has now been appointed as an official distributor for the entire Hunter Line.

Please contact our sales office for more details.

## LOGIC Irrigation is the main UK. distributor for:



**Bear** gear drive V-I-H sprinklers and replacement inserts for Toro and Rain Bird sprinklers



**LR Nelson** Turf and Landscape gear drive pop up sprinklers, controllers and the new Solorain Battery operated programmable valve/controllers.



**Aquamaster** aeration fountains and sub surface aerators



### Johnsons Seeds Stand F19

"Johnsons seed puts success at your feet"

Johnsons Sport and Amenity, a division of Perryfields Holdings Limited, will be exhibiting the all new J Range of amenity grass seed mixtures.

The new Johnsons range represents excellence in turfgrass and was designed specifically for groundsmen and greenkeepers who don't want to compromise on quality.

J Range mixtures use the very best cultivars available and are available from a new National distributor network ensuring excellent back up and service. Also available is the largest range of native wild flower seed mixtures and plugs.

Our technical staff will be available to answer questions and provide quotations.

### Kawasaki Stand W71

Kawasaki is planning a far bigger presence than ever at SALTEx 2000 in September with the launch of two new products at the prestigious Windsor event.

Following the success of last autumn's show at which Kawasaki unveiled the new Mule Diesel 2510, the Japanese manufacturer is planning the official launch of two further new products at this year's show.

Details of which will be released later next month.

Kawasaki is also keeping its foot on the pedal in the ongoing development of top of the range commercial engines. The latest arrival at the top end of its impressive four-stroke, horizontal shaft, air-cooled engine line-up, the FE400D, also makes its debut at SALTEx.

### Kubota Stand W40

Six new hydrostatic drive tractors from 22hp to 45hp will be unveiled at Saltex by Kubota.

At the top of the range are hydrostatic versions of the 45hp Grandel L4200 and 38hp L3600 tractors, both fitted with an integral safety 'Q' cab.

New 30hp and 35hp versions of the acclaimed ST30 tractor will be launched at the show. Retaining the neat, compact styling of their predecessor, the Sta30 and Sta35 come with hydrostatic transmission as standard.

Offered in two and four-wheel drive form, Kubota's new 22hp BX2200 tractor has ample power, excellent manoeuvrability and exceptionally compact dimensions, making it suitable for a wide range of tasks.

### Logic Irrigation Stand CP10/11

New for Saltex: The full line of Hunter irrigation products and a new way to automatically irrigate Hockey pitches without having to put sprinklers into the pitch. Also showing will be the Aquarius Universal PC control system, now with over 30 installations, including the championship course Carnoustie. Aquarius PC will operate SC3000, CIC, Robydom, Primetime and TW2 control systems. Fully interactive graphics allow irrigation by a simple "point & click" at the course plan.

Logic radio remote-control system allows operation from a hand held radio.

Other irrigation products from Bear, Nelson, Hit, our own range of Aquarius sprinklers and two wire controllers will be on show.

## Experience **reel** savings and make your course a **cut** above the rest

### Do you suffer any of these problems?

- High maintenance costs
- Wasted downtime
- Low standards
- Rapid blade wear

### Then why not have your own grinder installed in your workshop?



Jupiter 42" Cylinder and bedknife Grinder

### Satisfied customers

"Every forward thinking golf club should have a Juno in their workshop, a truly excellent machine"  
Mr Mark Jones, Head Greenkeeper, Preston Golf Club

"Hunter's relief grinding is far superior to anything I have ever seen, each blade cuts true, the savings are substantial and the cost is minimal"  
Mr Roger Shaw, Course Manager, Ramside Hall Golf & Country Club, County Durham

"Our bottom blades are now lasting between 2-3 times longer than when we were spin grinding"  
Mr Philip Baldock, Course Manager, Ganton Golf Club, North Yorks

"A quality machine that gives a superb finish to our cylinders, and saves money" Mr Derek Green, Head Greenkeeper, Royal Liverpool Golf Club

## The benefits

- Accurate 'Relief' grinding of all cylinders (cuts friction - blades last longer!)
- Same machine grinds the bottom blade



Juno 36" Cylinder and bedknife Grinder

- Full training with all machines
- In situ grinding if needed
- Fully water cooled
- Fast turn around
- Simple to use
- Cuts costs

See us at  
**SALTEx**  
Stand  
**P60**

**Eric Hunter Grinders Ltd.**

Manufacturers of Precision Grinding Machinery

**Tel: 01207 270316**  
**Fax: 01207 270312**

Hobson Industrial Estate, Burnopfield, Newcastle Upon Tyne, NE16 6EB



### Marlwood Ltd Stand A50

Marlwood Ltd will be promoting the current range of Lastec Articulator Rotary Mowers at Saltext '2000' which includes the 621ER 3 deck 3.2m, the 721XR 7 deck 3.4m trailed mowers and the 425HD 2.4m Kubota 38hp ride on. Marlwood Ltd is also re-launching the Smithco range of products in the UK. On show will be a mechanical bunker rake, dedicated sprayer and a NEW PRODUCT to the UK which is the Aquicide Environmental Weed Control System where weeds are killed by steam at low pressure, which is both safe and environmentally friendly.

### Motorkov UK Stand Q44 + Q49

A selection of Grounds Care Tractors and equipment are on display from the manufacturers of LANDINI Tractors EuroTrac Tractors and a new range of Korean Tractors from TYM. The tractors are fitted with various attachments showing the versatility of the range. Tractors from 18.5 HP up to 80 HP equal wheeled reverse drive units are displayed.

SOGEMA front loaders and backhoes will also be shown attached to both the LANDINI and TYM tractors. PEGORARO Rotary Tillers of different widths are also being displayed.

### Ocmis Irrigation (UK) Ltd Stand Q6

Ocmis are UK distributors for Rain Bird Irrigation products and specialise in design and installation of irrigation systems for all golf course, sports turf and landscape areas. With Service Engineers situated throughout the UK Ocmis can offer a prompt and reliable service for all makes of irrigation equipment. This linked together with one of the largest stocks of spares in the UK gives our customer the high standard of service they expect. For more information, contact Ocmis Irrigation (UK) Ltd on:-

Head Office: 01460 241939  
Scotland Office: 0131 220 2102  
Ireland Office: +353 1 235 4020  
E-Mail: [info@ocmis.com](mailto:info@ocmis.com)  
Web: <http://www.ocmis.com>

### Olympic Supply Company Stand H20

Halve your labour time with the fastener that is changing the face of American landscaping - Timberlok - is a high tensile corrosion resistant timber fastener. Countersinking into softwoods and hardwoods with no predrilling. Ideal for timber decking, fencing, wooden playground equipment, pergolas, railway sleeper construction etc. (Lengths up to 400 mm).

Telephone 01737 789023

### Par Aide UK Stand T96

PAR AIDE UK will be showing their full range of Par Aide Golf Course Equipment. Special offers on Ball Washers, Trash Mate and Free Hole Cups with every set of Flag Pins and Flags purchased. Par Aide will be launching a new Aluminium Hole cup (EVER-WHITE CUP) complete with a White Plastic Insert. The sleeve is easy to install and remove, but will stay tight in the cup during play. The cup will never need to be painted because there's no paint to chip. A full range of Driving Range Equipment will be available including Range Servant

equipment on the stand complete with a full range of Winter Tee Mats and Frames. Artificial Surfaces including Spike Resistant Carpet Tiles and Rubber Tiles ideal for the Clubhouse, Driving Ranges or Walkways will be available. Contact ANDREW LOFTING ON TEL: 01424 819008 FAX 01424 819007

### Rain Bird Europe SARI Stand CP 36/37

The importance of efficient water management has never been greater and, as the industry leader in the manufacturing of irrigation equipment, Rain Bird is committed to the continuing development of more reliable and efficient irrigation products. Rain Bird will be showing its Maxi Series of Decoder computer control systems, "Freedom Europe" radio and telephone remote control; Rain Bird's new MDC-50-200 controller, TG25 and 5000 Series non valve-in-head sprinklers. Visit the stand of a leader.

# Cuddles contours

## What?

The 3.05m (10ft) wide Pro-Flex 120 rotary mower for tractors of 35hp upwards.

## How?

Five individually-floating cutter heads attached to a freely-pivoting trailed frame.

## Why?

To produce a consistent cut across the working width over undulations, bumps and hollows.

## Where?

Golf courses, landscaped grounds, parks, all uneven turf demanding a precise, clean cut every time.

## When?

As part of all regular mowing programmes.

## Who?

For illustrated literature, a video or a demonstration across your contours, call:



**Turfmech Machinery Ltd.**  
New Road Industrial Estate, Hixon, Staffs ST18 0PJ, UK  
Tel: 01889 271503 Fax: 01889 271321 e-mail: [sales@turfmech.co.uk](mailto:sales@turfmech.co.uk)

Visit our website at:  
[www.turfmech.co.uk](http://www.turfmech.co.uk)





### Rigby Taylor Stand S40

Rigby Taylor has moved to a new site this year: Stand S40. Particular emphasis will be given to their MASCOT brands including their Chemical (e.g. Rimidin), Fertilizer, (e.g. Polymax) and Grass Seed products as well as the Specialities range which includes Integrate, Blockade and Profile. Industrial herbicides will also be on show (e.g. Roundup Pro Biactive and Casoron G). Displays from Edwards Sports Products, Maxicrop, Pressure Jet Markers, Ruffords, Tillers Turf and Verdi Sports will also be featured. Grass Science sports turf and environmental consultancy will also be present.

### Scotts UK Professional Stand E1

Scotts UK Professional will be offering a complete turfcare advisory service from their stand. Scotts is a leading authority on turf nutrition and pest control in the UK and Europe and in a unique position to field qualified specialists and turfgrass agronomists. This expertise will be available on the SALTEx stand. Greenkeepers and groundsman need only bring

the results of their latest soil analysis to Scotts for a tailor made turf nutritional programme to be determined on the spot. Scotts will be displaying the benefits of the comprehensive range of fine and outfield turf fertilizers, chemicals and landscape materials including the new turf growth regulator Shortcut, which can halve the amount of time grounds and greenkeeping staff need to spend on mowing grass. Stand contact: Dave Steward, Scotts UK Professional, Paper Mill Lane, Bramford, Ipswich, Suffolk. IP8 4BZ. Tel: 01473 830492.

### Sisis Stand B27

SISIS have exhibited at the annual IOG show since they started in the 1930's and each year, without fail, have had new machines on display. 2000 is no exception.

The ultra lightweight SISIS ROBBI, ride-on triple brush, now with electric start and choice of brushes for synthetic and natural turf, will be seen for the first time at SALTEx.

New models of the SISIS ECOSPRAY "no drift" sprayer will be available for inspection and new additions to the renowned SISIS scarifier range.

Be sure to visit SISIS on Stand

B27 to see all the new developments and a large selection of maintenance machinery and grasscutters from the comprehensive SISIS range.

### Standard Golf UK Stand T96

Standard Golf UK will be exhibiting their full range of top quality golf club equipment including Ball washers, Litter Caddies, Flag poles, Tee markers etc.

Standard Golf equipment can now be purchased through Par Aide UK. For more information please contact Andrew Lofting on 0800 169 3723, fax number 0800 169 3727 or at PO Box 721, Maidstone, ME14 5TD.

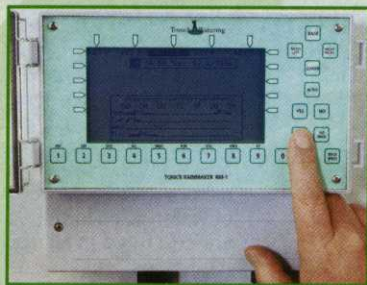
### Stihl Stand D21

STIHL giving professionals more. Alongside its established ranges of premium outdoor power tools, STIHL will show a host of new products at Saltex this year; all designed to give hard working professionals greater choice and more power.

A clever new 'power sweeper' effortlessly clears paths, grass and tracks of dirt, debris, snow and water; and the new CombiSystem brushcutter becomes up to six tools in one with its splitting shaft and different attachments. All clearly demonstrate the technological advances and product advantages for which STIHL is renowned.

Chainsaws, brushcutters, scrub cutters, hedge trimmers, pruners and blowers are all favourites back on show; with expert staff on hand to give sound advice to visitors.

## A Complete Controller Family from



### RAINMAKER RM-1

- PC performance at a "wall-mount" price
- Compatible with most decoder types
- Multi-zone flow management
- Plug-in lightning protection
- Low-cost radio remote control

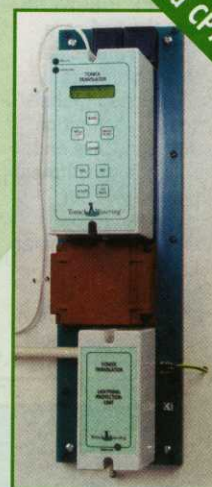
### AQUARIUS UNIVERSAL PC

- Fully featured, multi-zone PC controller
- Graphics displays
- Compatible with most decoder types
- Radio remote control
- Maximum 1800 stations, up to 32 cables

**Tonick Watering**  
Replace your  
worn-out controller

### DEMI-RAIN

- Budget priced
- Simple to install & use
- Future proof-upgradeable
- Plug-in lightning protection



For the best performance fit Tonick Decoders – now installed in around 1000 golf courses. Replacements for most existing decoder types.

The best decoders are now even better with enhanced lightning protection. Still with the only 5 year warranty in the business.

### Tonick Watering Limited

Ford, Arundel, West Sussex.

Sales: ☎ 01243 554848 Factory and Technical Support: ☎ 01243 554060

See us at SALTEx  
stand CP7



## Supaturf Products Stand E18

Supaturf will be displaying their full range of amenity and grounds maintenance products at the 2000 show.

The Topline TXE line marking machine range with no-weld-rugged frame has been updated to offer new levels of performance and reliability. At the heart of the TXE is an improved battery powered pump system that can provide a full day's work between charges. Optional extras include a multi-head spray boom and an athletics track spray system.

The efficient SupaLiner attachment for turf utility vehicles with its hydraulic operation for easy and convenient use will be on show with the comprehensive, industry leading, range of high quality marking materials.

Also turf managers will be able to discuss the use of Supaturf's world leading range of Water Management Products Primer 604, AquaDoc and Infiltrix with Supaturf's experienced technical sales personnel.

Visit the Supaturf and see for yourself!

For further information please contact:

Colin Hood, Sales Director,  
Supaturf Products Limited, 2  
Maizefield, Hinckley, Leics LE10  
1YF Telephone 01455 639639 - Fax  
01455 234714

## Textron Stand V15

Textron - serving the turf care professional and the municipal sector with quality products. With a highly developed global manufacturing and distribution network, Textron Turf Care and Speciality Products' commitment to meeting the needs of our customers is reflected in the strength of our brands: Cushman, E-Z-GO, Iseki, Jacobsen, Ransomes, Ryan and Turfco. A visit to Stand V15 will confirm this commitment where a whole

range of turf maintenance equipment, compact sweepers and light industrial vehicles will be on display creating a one-stop shop for both the dedicated turf professional and our municipal customers.

New turf care products will be on display, alongside the Pathfinder, a mini-compact sweeper making its debut at SALTEx. Also look out for the dedicated Jacobsen golf machines and the Ransomes equipment now dedicated to the municipal sector.

There will also be product demonstrations throughout the course of the event and the opportunity to meet Textron's team who will be able to provide expert advice and information.

Come along to Stand V15 and see our new, innovative products that will demonstrate our philosophy of providing equipment that delivers - delivers performance, delivers productivity, delivers value.

For further information please contact:

Peter Driver, Public Relations  
Manager, Command Publicity Ltd,  
1 The Matchyns, Rivenhall End,  
Witham, Essex CM8 3HA Tel:  
01376 535400

## Tonick Watering Stand CP7

The Tonick Demi-Rain Controller is new for SALTEx 2000. This low-cost irrigation controller will handle up to 100 two-wire decoders. It is ideal for small golf courses, nurseries, parks and recreation areas. The Demo-Rain may be later upgraded to the powerful Rainmaker, with its multi-zone flow management and even to the top-of-the-range Aquarius PC controller with graphics. For the export market, the Tonick Tropical Strength Decoders give exceptional lightning protection without the use of earth stakes. Each decoder comes with a 5 year exchange warranty, which uniquely includes lightning damage.

## Toro Stand W50

Toro is showing two innovative new Groundsmaster rotary mowers in its big line up of golf course equipment

The new Groundsmaster 4000-D is a powerful, highly productive machine that offers superior cutting performance on golf course roughs.

The prototype mower being shown is fitted with a powerful 51hp Kubota diesel engine. It features three independent cutting decks, two of which can lift up to give three different cutting widths to a maximum of 11ft wide, making it ideal for cutting between objects and for mowing overhangs.

Meanwhile the new Groundsmaster 3500-D rotary unit has three cutting decks which, like its Reelmaster Sidewinder predecessor - can be shifted hydraulically from side to side to increase their overhang up to 24in for cutting bunker overhangs, fringes and approaches.

## Turfmech Machinery Stand W38

From soil preparation to seeding, top dressing to rotary mowing, leaf clearance to scarifying and turf cutting to materials handling, Turfmech Machinery has one of the most extensive product ranges for the turf maintenance professional. One more reason for visiting Turfmech's Saltex exhibit is the launch of a higher capacity greens top dresser from Ty-Crop. The QuickPass 450 has a choice of drop-style vortex or twin spinner spreading options, 1.27 cu m hopper capacity and four-wheel walking beam suspensions to maintain full ground contact on undulating turf for optimum stability and minimal ground pressure.

## Vitax Stand F54-56

With the increase in awareness of organic products sports turf use, Vitax have expanded their range of seaweed based products.

After lengthy research, use has been made of the seaweed variety Laminaria Digitata harvested from renewable sources out in the Atlantic Ocean. This gives a high quality product rich in trace elements, growth hormones and cytokinins, giving first class benefits to greenkeepers and groundsmen.

The three products, packed in 10 litre containers, will include a natural high strength seaweed, a 12:0:6 seaweed based liquid feed for turf, and a high strength seaweed based iron tonic to give long term green up quickly, which would be ideal for use prior to tournaments and important matches.

New catalogues giving full details will be available at Saltex.

## WeedFree Stand S30

New mantis marks expansion. WEED FREE will exhibit the latest Spraying Mantis on stand S 30 three years after the first model was named at the show. Following the original spraying unit, which was specifically designed to carry shrouded booms and unique to the company, the new machine features a Ford Endura engine, a Tee Jet Controller, a revamped instrument layout inside the cab and a smaller wheel track. The shrouded booms have been completely redesigned and the new Mantis carries a pedestrian version, for spraying greens and small areas in addition to the main boom of 5.5 metres. Digital flow meters which measure the amount of water going into the main tank are now fitted to all machines in the Mantis fleet.

**MM 50**

Cricket Wickets  
& Golf Tees



**MM 29**

Cricket Wickets

# Win Your Summer Sun Here!

## £200 HOLIDAY VOUCHERS

**MM 10**

Golf/Bowling  
Greens



### TAKE ADVANTAGE OF OUR SUMMER PROMOTION!

Any order of the above 3 products placed through your local Distributor\* during August and September automatically enters you into our £200 prize draw. (The Prize will be in the form of holiday or "days out" vouchers). Prize Draw details are available on request from Advanta Seeds.

\*Call the Advanta Sales Desk on 01529 304511 for the name and number of your nearest MM Distributor.

Name:

Golf/Sports Club:

Address:

Advanta Seeds UK, Sleaford, Lincs, NG34 7HA



## TURF AERATOR SPECIALISTS

Leading the field in aeration technology



**CALL FOR LITERATURE,  
PRODUCT VIDEO AND  
DEALER CONTACT IN  
YOUR AREA.**

**OR JUST CALL TO  
DISCUSS YOUR  
REQUIREMENTS.**

- Five pedestrian models, two tractor models, and one turf vehicle mounting. (From 18" to 72" swath)
- GROUNDSMAN'S rugged sealed bearing mechanism is maintenance free, and carries a 24 month factory warranty. Its patented mechanism moves the tines back after plunging into the ground giving a cleaner action which requires no turf rails
- Patented core collection attachment (aeration and core collection in one pass)
- Fast coverage (up to 6000sq yds/hr @ 3" crs)
- Quick change tine holders (under 2-min each)
- From micro to jumbo tines, hollow, solid and chisel tines
- Depth adjustable up to 5"

**CONTACT BILL WARKE**

**TEL: 028 276 67049 FAX: 028 276 66855**

Email: [bwarke@groundsmanindustries.co.uk](mailto:bwarke@groundsmanindustries.co.uk)

**Something is revolutionising  
Greenkeeping and it is probably  
the greatest development in  
Turf Management for decades.**



**Confused about Bio-Organics?  
It's like a puzzle...**

ALS have the experience and proven knowledge to really make Bio-Organics work for you.

For our new brochure call +44 (0)1952 641949 or Freephone 0800 5426236

**ALS**  
Amenity Land Services Limited

Natural solutions from

[www.amenity.co.uk](http://www.amenity.co.uk)

**Kawasaki**



## ENVY OF THE GREENS

Immaculate greens are the product of sheer hard work, which is why the new Mule Diesel 2510 is the envy of the fairways.

Built for the toughest terrain, the Mule gives you more power, performance, load capacity and fuel efficiency and, with its low-ground pressure qualities, you won't leave any divots.

- 23 hp, 3 cylinder, 4-stroke, liquid cooled, diesel engine
- Automatic variable speed transmission
- Dual mode differential for rear axle
- Dual range gear box with selectable 4-wheel drive
- 12-months warranty



**CALL FREE ON 0800 316 4448**

**to put the power to work for you**

(Outside the UK, call +44 1666 511356)



# Can you afford not to have this machine?

A sharper cutting cylinder produces healthier, stronger and more attractive grass...



To find out how Atterton Express Dual and Anglemaster, the world's fastest mower grinders, dramatically improve your golf course, cut costs and save time...  
call **01788 811600** today!

**BERNHARD & COMPANY LTD**

Rugby England CV22 7DT

email: [info@bernhard.co.uk](mailto:info@bernhard.co.uk) web: [www.bernhard.co.uk](http://www.bernhard.co.uk)



**Priced right! Built right! High Spec! That's TYM!**

Superb quality ALL NEW Korean manufactured high specification tractors  
Currently available: **T390 39HP ROPS 4-cylinder KUBOTA engine**

**39HP KUBOTA ENGINE**

**£9,995 EX VAT**



TYM tractor prices include the following high specifications:

#### TYM T390 with roll bar

- 39HP Kubota engine
- 12 forward gears, 12 reverse gears with synchro shuttle
- Selectable 2 and 4 wheel drive with diff lock
- Easy access flat floor with ergonomic controls
- 540/1000 PTO & draft control. Linkage drawbar
- Electro-hydraulic PTO control with auto stop rotate management
- Powerful wet disc brakes. Seat belts
- Power steering
- Rear linkage lift capacity 1300kg
- Front weights/turf tyres as optional extras

MOTOKOV UK Ltd GROUNDS CARE DIVISION,  
Bergen Way, Kings Lynn, Norfolk PE30 2JH  
Tel 01553 817700 Fax 01553 691201

MOTOKOV UK LTD ARE THE SOLE UK IMPORTERS OF ZETOR, LANDINI, EUROTRAC & TYM TRACTORS

## RETAINING WALLS MADE EASY

**EMG**  
**Fasten Master**  
Mastering the Tough Fastening Jobs!

### TimberLok™



**NO PREDRILLING:** Drives right through pressure treated beams.

**REDUCE LABOR:** Quick and safe one-step installation.

**COUNTERSINKING HEAD:** Unique head style countersinks itself.

**REMOVABLE:** Can be backed out of a beam if necessary.

**SUPER THREADS ZIP RIGHT IN!**

For your **FREE** brochure, *Retaining Walls Made Easy*, TimberLok samples and the location of your nearest retailer, call:

**01737 789023**

**YOU'LL NEVER USE COACH SCREWS OR REBAR AGAIN!**



**BIGGA's fourth annual golf day may well have been the most successful yet. It was certainly the hottest**

# Hot, Hot, Hot!

## BIGGA Golf Day 2000



Summer arrived in North Yorkshire on Monday, June 19... unfortunately it left the following day but not before the guests at BIGGA's annual golf day had been treated to a genuine scorcher.

If anything, it was too hot for golf but the delights of the half-way house at the top of the golf course proved to be a magnificent oasis in an otherwise extremely hot desert.

The conditions were all the more remarkable as the course had been under water only 10 days before when the River Ouse burst its banks - something more commonly associated with January than June - and the tide mark some four feet up the trees which bordered the course was a reminder of just how bad conditions had been and how well Richard Gamble and his team had done to return the course to playability in time for BIGGA's big day.

Sponsored by The "A" Group Hotels of Harrogate for the first time it meant the involvement of some familiar faces on the day with Charles Nicol, General Manager of the Moat

House Hotel; Frank Flaherty, General Manager of The Majestic Hotel and Paul Lewis, Director of Harrogate International Centre all taking part.

There was some spectacular golf played during the day by the record entry of teams, not least from the first professional to take part. Phil Harrison, ex-European Tour pro and resident professional at Aldwark Manor, combined with Aldwark Manor owner, Brad Holbrook, and Bobby Moncur, also of Aldwark Manor and still the last Newcastle United player to lift a trophy, to play some excellent golf yet still finish out of the prizes.

It was also a memorable occasion for BIGGA Chairman Elliott Small and his wife Edna who were presented with a surprised birthday cake from Past Chairman Gordon Child to commemorate their shared birthday the following day.

As usual Aldwark Manor supplied a sumptuous barbecue and everyone, even those who couldn't buy a putt during the day, went home happy.

### Winners

**1. European Turf Technology Team 1 - 56.8**  
Tim Earley, Dave Sammels, Keith Weston, Euan Grant

**2. Guest Team 3 - 58.4**  
Steve Hardy, David Kinsey, Chris Morris, Jim Paton

**3. European Turf Technology Team 2 - 58.5**  
Paul Pearse, Mike Davie, John Turner, Carl Small

**Putting Competition - Paul Pearse and John Nicholson**  
**Longest Drive - Chris Morris**  
**Nearest the Pin - Charles Bailey**

Top left: The spoils

Middle left: Les Emery, Doug Bell, Gordon Child and Derek Farrington check the start names

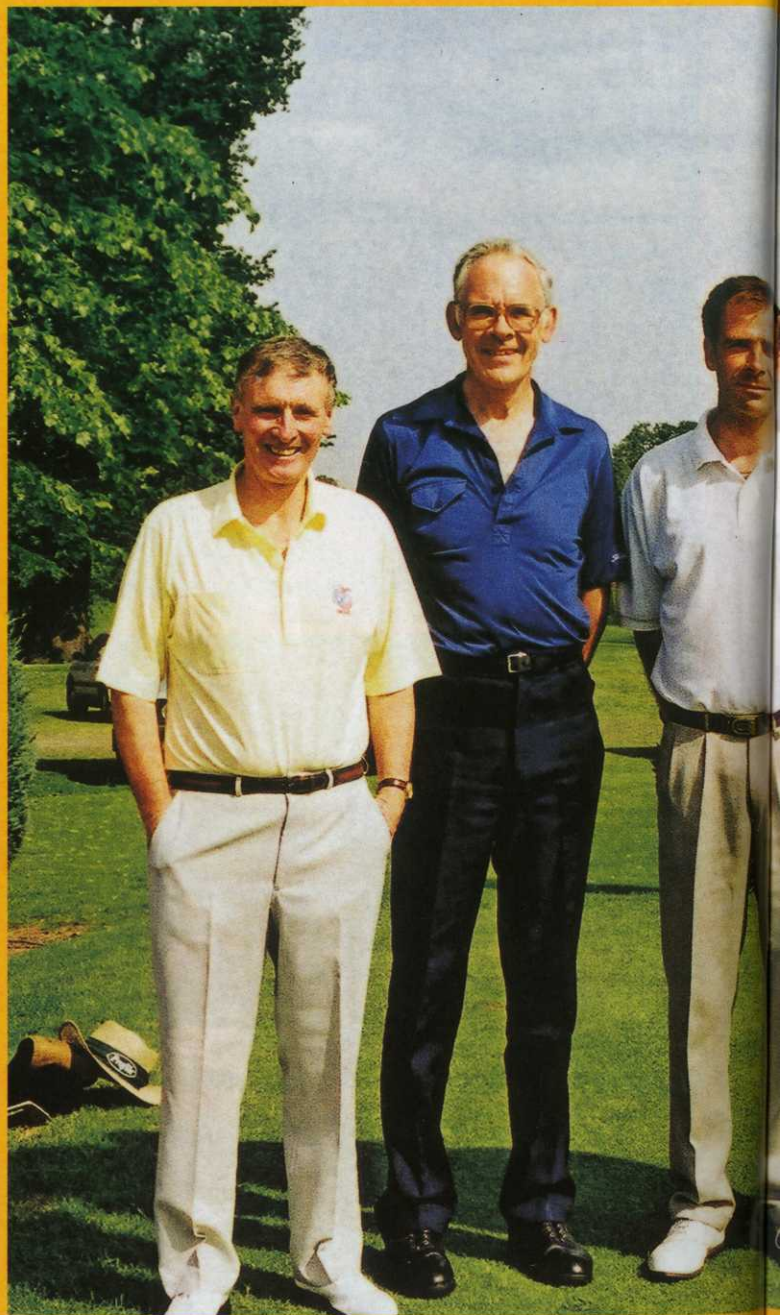
Left: Gordon Child and Neil Thomas seek shade in the sweltering heat



# Hot, Hot, Hot!

BIGGA Golf Day 2000

Below: Many happy returns! As well as the BIGGA Golf Day reaching the grand old age of four, BIGGA Chairman Elliott Small, and wife Edna were also celebrating their (undisclosed) birthdays!



Above: It ain't 'alf hot mum!

Above: The other winners





Above: The winning European Turf Technology team



Above: The runners up. Spot the intruder



Above: European Turf Technology team 2 made it a successful day for ETT



# BUYERS' GUIDE BUYERS' GUIDE Buyers' Guide

The most cost effective way of reaching readers of Greenkeeper International.

Just call Cheryl Broomhead or Diane Bray on 01347 833800 and ask about an alphabetical category listing; the cost starts from as little as £29.50 per month.

## KNOW YOUR NUMBERS

# WIN £50!

Simply look through all the products and services in our guide and name the companies which the following telephone numbers refer to;

- a. 01254 831666
- b. 01732 354888
- c. 01522 869100

Write down your three answers on a postcard and send your entries to:-

Know Your Numbers, Greenkeeper International, BIGGA HOUSE, Aldwark, Alne, York YO61 1UF

Entries to reach us no later than Tuesday, August 14, 2000. The first correct entry drawn will receive a cheque for £50!

The judges decision is final. No correspondence will be entered into.

This competition is not open to BIGGA staff or non-members.

Last month, Neil Oliver, of North Manchester GC, certainly knew his numbers when he correctly identified all three telephone numbers.

Our congratulations and a cheque for £50 are on their way to you!

## KNOW YOUR NUMBERS

### Aeration

#### HYDROJECT AERATION AND CHEMICAL INJECTION SERVICE

(WITH NO SURFACE DISTURBANCE)

A full range of expertly operated turfcare services also available

**KEITH DRIVER**  
(SPORTSTURF CONTRACTOR)

Tel: 01273 564015 Mobile: 0958 532008  
8 Morecambe Rd, Brighton, Sussex BN1 6TL

#### MIDLAND GROUND CARE MACHINERY

Suppliers of

#### GROUNDSMAN TURF AERATORS

(Pedestrian & Tractor Mounted)

SALES HIRE CONTRACTING VERTI-DRAIN HIRE  
INC CORE COLLECTION

FOR MORE INFORMATION CONTACT

Tel: 0116 224 6891 / 0116 289 2595  
Mobile: 0468 796040 Fax: 0116 289 2595  
Email: dean.broughton@virgin.net

### Agronomy

#### B Jamieson Golf Advisors Ltd

Bruce Jamieson Golf Advisors Ltd, is an established company offering expert advice on;

- Golf Course maintenance
- Tournament preparation & presentation
- Machinery selection
- Budgeting
- Staff recruitment
- Soil & turf analysis
- Establishment of new golf courses

Contact: Bruce Jamieson  
Browtop, 17 Haywarden Place, Hartley Wintney, Hants, RG27 8UA Telephone: 01252 844847

### Amenity Spraying

#### WEED FREE

- Advice ● Application ● Supply ● Training

DRIFT FREE Contract Spraying  
utilising our purpose built machine

#### The SPRAYING MANTIS

Freephone: 0800 068 08 78

Fax: 07000 481022

Car: 0850 300104

Unit 14, Roundhead Drive, Warfield, Berkshire RG42 3RZ  
WEED FREE is a Registered Trade Mark

### Artificial Grass

#### VERDE SPORTS LIMITED

Gabbotts Farm Barn,  
Bury Lane, Withnell,  
Chorley, Lancashire  
PR6 8SW

Tel: 01254 831666  
Fax: 01254 831066

- VERDE TEE FRAME  
Steel platform, woven grass top.
  - VERDE WINTER TEE  
Generous size, self-install kit.
  - VERDE DRIVING MATS  
Top quality - Long Life - Best Prices.
  - ARTIFICIAL GRASSES
  - DRIVING BAYS AND NETS  
For club and home use.
- Available through most reputable course equipment suppliers  
Please call for samples & information

### Artificial Surfaces

#### SELF DRAINING HONEYCOMB RUBBER MATTING

- 16mm x 9m x 9m
- Ideal for wet areas, Ranges etc.
- Special Interlocking feature
- Available in black and red

Call our sales office:

J.P. Polymer Sheetings Ltd

Tel: 0121-520 5020

Fax: 0121-522 4610

E-mail sales@jppolymer.co.uk

### Construction

#### Artington GOLF LTD

#### Specialist Golf Course Constructors

Telephone/Fax  
(023) 9259 2390

Mobile  
(0410) 450454

#### CONTOUR GOLF LIMITED

Construction of new golf development and upgrading of existing courses

Tel: 01327 879464  
Fax: 01327 705777

1 Jubilee Cottages, Norton Rd,  
Daventry, Northants NN11 5LS  
Irish Office no. 064 39965

#### Delta Golf 2000 Limited

- Construction ● Remodelling
- Reservoir Works

Tel: 01604 468908

180 Ruskin Road, Kingsthorpe,  
Northampton NN2 7TA

#### J & E ELY GOLF COURSE CONSTRUCTION

Reading, Berks  
Tel/Fax: 0118 9722257

E-mail: ely@btinternet.com

BRITISH ASSOCIATION OF GOLF COURSE CONSTRUCTORS

#### John Greasley Specialists in Golf Course Construction

JOHN GREASLEY LIMITED  
"Ashfield House" • 1154 Melton Road  
Syston • Leicester • LE7 2HB

Tel: 0116 269 6766

Mobile: 0836 553899

Fax: 0116 269 6866




## LAND UNIT CONSTRUCTION

Hanslope, Milton Keynes MK19 7BX.  
Tel: 01908 510414 Fax: 01908 511056

### Course Equipment



*Wherever Golf Is Played*  
Par Aide UK

- 1 Golf Course & Driving Range Equipment
- 2 Range Balls 1 pce & 2 pce
- 3 Driving Range & Winter Tee Mats
- 4 Artificial Surfaces
- 5 Installers of Perimeter Netting

20A Beeching Park, Wainwright Rd, Boxhill on Sea, East Sussex TN39 3UR  
Tel: 01424 819008 Fax: 01424 819007

### Drainage

#### Duncan Ross Land Drainage Limited

#### SPORTSTURF DRAINAGE SPECIALISTS

- ★ Latest Sportsturf trenching machine
- ★ Verti Draining ★ Sand Slitting ★ Overseeding
- ★ Gravel Banding ★ Top dressing

Design, installation and maintenance service  
Tel/Fax: 01257 255321  
Appley Bridge, Wigan, Lancs

#### Turfdry

#### Golf Course Drainage Specialist

For fast and friendly UK service call:

**Melvyn Taylor**  
on 01283 551417  
or 0836 259133



Specialists in land drainage, golf course construction and maintenance

**M J ABBOTT LIMITED**  
Bratch Lane, Dinton, Salisbury, Wiltshire SP3 5EB  
Tel: 01722 716361 • Fax: 01722 716828

## Drainage.

## Sand Slitting.

## Vertidrainage.

Established 42 years

ONGAR, ESSEX  
01277 890274





### SLEATH & SON SPORTSTURF DRAINAGE

Full range of modern equipment providing  
UK and European service  
**Contact Geoff Sleath**  
Tel/Fax: 01709 862075  
Mobile: 0976 751742

### GLM Turfcare

For soil amelioration and  
compaction relief to 55cm depth

**Contact James Gibson**  
Tel: 01694 723815  
Fax: 01694 724186

### White Horse Contractors Limited



SPECIALIST SPORTS TURF CONTRACTORS

- DRAINAGE
- CONSTRUCTION
- RENOVATION
- LAKES & RESERVOIRS
- DESIGN & BUILD
- CONSULTANCY

Tel: 01865 736 272  
Fax: 01865 326 176

whc@whitehorsecontractors.co.uk

Lodge Hill, Abingdon, Oxon OX14 2JD

### SPEEDCUT CONTRACTORS

#### SPORTSTURF

Construction Drainage  
Sandslitting Renovation

**KEVIN SMITH**  
Oxford 01865 331479

### Driving Range



- BALL DISPENSERS • BALL WASHERS
- COLLECTORS • ELEVATORS •
- BLOWER SYSTEMS • MATS •
- BALL MANAGEMENT SYSTEMS •

20a Beeching Park, Wainwright Rd, Beahill on Sea, East Sussex TN39 3UR  
Tel: 01424 819008 Fax: 01424 819007

### Fertilisers



We make the difference

Pro Formula range of fine turf  
& outfield fertilizers including  
our new easy pour liquid range

**Tel: 0990 133800**

Our 10<sup>th</sup> year supplying biotech solutions

Thinking about a  
biological programme?



### First ask a biologist

Contact Louisa Farthing BSc  
or Stella Inglethorpe BSc  
**Tel: 01372 456101**  
Email: fineturf@symbio.co.uk

### Golf Mats



Exclusive Leisure Ltd,  
28 Cannock Street, Leicester, LE4 9HR  
Tel: 0116 233 2255  
Fax: 0116 246 1561

### 'TIGER T GOLF MATS'

Quality mats for winter tees,  
practice areas and driving ranges.  
Any size up to 3m x 3m.

### Golf Signs

## LINKS SIGNS ON STONES

Specially designed, and  
moulded from glass re-inforced  
concrete. Available in Cotswold,  
Granite Grey, Dark Slate and  
Sandstone colours. Vandal  
proof with a variety of signs  
and easily movable.

#### Boulder



#### Quarry



#### Rock

- Call now for
- Pro Tee
  - bays
  - nets
  - signs
  - markers
  - stones
  - bins
  - planters
  - layouts

LINKS  
Civic Industrial Park  
Whitchurch,  
Shropshire  
SY13 1TT  
Tel: 01948 663002  
Fax: 01948 663082

### Irrigation

## AutoFlow Systems

**CALL NOW FOR ALL YOUR  
WATER REQUIREMENTS ON**

SPORTS GROUNDS, GOLF COURSES,  
BOWLING GREENS, COMMERCIAL  
LANDSCAPING, PRIVATE GARDENS

TEL: 01603 759701 FAX: 01603 758200

AUTO HOUSE, ASHTREE WORKS, MILL ROAD,  
BARNHAM BROOM, NORFOLK NR9 4DE

YOUR COMPLETE INDEPENDANT IRRIGATION SPECIALIST

### British Turf & Landscape Irrigation Association

*"Quality by Association"*



Our aim is to ensure  
you have the best  
possible irrigation  
system so we  
constantly monitor,  
maintain and raise  
the standards of our  
members.

For a full list of  
members contact  
David Halford

Tel/Fax: 07041 363130

## Cameron IRRIGATION

Suppliers of Irrigation Equipment to Golf Courses  
Bowling Greens, Landscapes, Horticulture.  
Manufacturers of Irrigation Equipment  
Existing systems renovated and upgraded  
**DESIGN • INSTALLATION • SERVICE**

Telephone: +44 (0) 1425 474614  
Fax: +44 (0) 1425 471296  
http://www.misc.irrig.co.uk  
e mail: enquiries@misc.irrig.co.uk



**M J ABBOTT LIMITED**  
Design, supply and installation of

**RAIN BIRD**

Irrigation Systems  
**Tel: 01722 716361**

### I.L.S. IRRIGATION SYSTEMS & EQUIPMENT

- Contact us for irrigation  
installation service •
- Up-dates • Equipment

sales  
I.L.S. Irrigation, Oundle Road, Luton,  
Peterborough PE8 5ND.

**Tel: 01832 272450  
Fax: 01832 272191**

### Irrigation Technical Services

Design • Supply • Installation • Service  
Pumps & tanks supplied  
Moleplough & trencher hire

All leading manufacturers equipment serviced



AREA DEALER

Tel: 01202 87.42.16 Mobile: 0831 24.22.05

## Irrigation Systems

For  
Golf Courses  
Sports  
Grounds  
Bowling  
Greens  
etc

- Cost effective solutions to  
your irrigation problems
- Independent professional advice

**DESIGN - INSTALLATION - SERVICE**

**NORTH STAFFS  
IRRIGATION**  
Consulting Watering Specialists  
**01785 812706**

## OCMIS IRRIGATION

Design, Manufacture,  
Supply, Installation  
& Service.

Ocmis specialise in Irrigation  
Systems for Golf Courses,  
Sportsgrounds, Recreational,  
Amenity & Landscape Areas.

For further information contact:

HEAD OFFICE SCOTTISH OFFICE  
**01460 0131**  
**241939 2202102**

Visit the new  
**BIGGA website @**  
**www.bigga.org.uk**

### Independent Professional Irrigation

Golf Courses, Bowling Greens, Sports, Racecourses, Gardens +++

Design/Advice Servicing  
New Installations Service Contracts  
Contracting System Upgrades  
Supply & Sales PC Systems



Area Dealer

Telephone

01765 602175

01765 690598

Fax 01765 603488

Email: Sales@par4.co.uk

www.par4int.u-net.com



Visit the new  
**BIGGA website @**  
**www.bigga.org.uk**

## TORO

IRRIGATION PRODUCTS

Design. Supply.  
Installation.  
Service.

Established 42 years

**ONGAR, ESSEX**  
**01277 890274**

## PEARL

### OKDALE

## T&G IRRIGATION

Golf Course and Sports Turf Irrigation:

Design • Installation • Maintenance • Annual  
Service Contracts • New Installations • System  
Upgrades • Fully automated PC systems  
Independent Installers of Hunter - Logic -  
Toro Irrigation Equipment

For advice and a free quotation, contact our Doncaster offices:

Tel: 01427 874200 Mobile: 07860 542616

Fax: 01427 875333

http://www.okdale.co.uk e-mail: enquiries@okdale.co.uk

## WARDLE

Consulting Engineers Ltd

INDEPENDENT IRRIGATION CONSULTANTS  
& PROJECT MANAGERS

Head Office: Tel/Fax: 01283 711864

Scottish Office: 01259 742447

E-mail: info@wardleconsulting.com

www.wardleconsulting.com



One of the most professional Design, Supply  
and installation services in the North.  
Trained in Golf Course management, with real  
knowledge of Irrigation and Golf Course needs.  
Effortless irrigation with minimum inconvenience.

Call now on: 01405 814889  
Mobile: 07967 504313

*You'll be amazed where we pop up!*

## York & Martin

GOLF IRRIGATION CONSULTANTS

Speak to Europe's most experienced,  
independent consultants for objective,  
unbiased advice, before deciding

**YORK & MARTIN**  
PO BOX 1192 FORDINGBRIDGE  
HANTS, SP6 1YD, U.K.

Tel. 01425 652087 Fax. 01425 652476



## Lake Construction/Liners

### AQUALINE

#### Liner Specialists

- Ponds • Lakes • Reservoirs
- Water features

Free survey and advisory service available. For further assistance contact Richard Thomas

Tel 01291-625186 Fax 01291-625185

### LINERS

Liners for lakes, ponds and storage lagoons from the UK's leading contractor

Comprehensive advice regarding design and construction of water areas

Tel: 01206 262676 Fax: 01206 262998

E-mail: sales@geosynthetic.co.uk

www.geosynthetic.co.uk

## WATERPROOFING SERVICES

### POND & LAKE LINING SPECIALISTS

CONTACT US ON

TEL: 01249 655539

FAX: 01525 261103

EMAIL: info@waterproofingservices.com

## Line Marking

### LINE MARKING APPLICATORS AND AEROSOLS



Blue Diamond STL, Clayfields Industrial Estate, Tickhill Road, Doncaster, South Yorkshire, DN4 8QG

Freephone: 0800 5424 004

## Machinery



### GRASS MACHINERY

Large selection of new and second hand Turf Maintenance Machinery in stock.

FREE DELIVERY IN UK. Warranty given. Also interested in purchasing surplus machines.

Tel/Fax: 01829 720280  
Mobile: 0378 063418

Visit the new BIGGA website @

www.bigga.org.uk

Massey Ferguson's powerful range of ride on mowers & garden tractors.

- Petrol powered from 10.5 hp to 18 hp
- Diesel powered from 20 hp to 42.5 hp
- Side or rear discharge
- Choice of 2WD or 4WD
- Wide cutting widths



UK Sales Department:

Tel: 024 7685 1202 Fax: 024 7685 1182

## Mycorrhiza

NEW

Mycorrhiza for turf

The essential start for new greens.



Transforms existing greens.

Apply as Seed Coat or Inoculant

See us at Harrogate

Tel: 01372 456101 Fax: 01372 456099

## pH Control



pH control and dosing systems for your irrigation water, for improved turf quality. Nationwide installation and commissioning service and advice. Contact Brian Sykes

USF STRANCO

Prory Works, Tonbridge, Kent TN11 0QL  
Telephone: 01732 354888 Fax: 01732 354222

## Railway Sleepers

### LANDSCAPING GRADE SLEEPERS

SELECTED HARDWOOD  
**BEST** QUALITY PRICES

ALSO

COCKLESHELL PATH MEDIA

BULK LOADS - DISCOUNTED PRICES

FINETURF PRODUCTS

Tel: 01375 361606

### RAILWAY SLEEPERS

TEL: 01302 888676 FAX: 01302 880547

• WE WILL BEAT •  
ANY  
GENUINE  
QUOTE



• DELIVERY •  
ANY AREA  
• NO MINIMUM •  
ORDER

www.sleeper-supplies.co.uk

Crossing Timbers, 4" x 4" Posts and Telegraph Poles

### QUALITY RAILWAY SLEEPERS

From a Quality Assured Company

Best prices on all grades (Softwood/Hardwood/Concrete)

CROSSING TIMBERS

12 x 12 BAULK TIMBERS

NEW UNTREATED OAK SLEEPERS

Large stocks nationwide. Immediate delivery, any area



**TRACKWORK LIMITED**  
A Major Supplier since 1975

Tel: 01302 365222 Fax: 01302 341691  
Email: info@trackwork.co.uk  
Website: www.trackwork.co.uk

## Root Zone

BANKS AMENITY PRODUCTS LTD

SUPPLIERS OF

**FENDRESS™ ROOTZONE TO USGA ECONOMY ROOTZONE DIVOT MIXES**

FOR A COMPETITIVE QUOTATION CALL  
01858 464346 / 433003

**TOPDRESSING SANDS TREE SAND • ROOTZONES DRAINAGE & SUB-BASE MATERIALS**

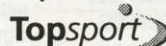
Freephone Sam on

**0800 731 7450**

Alan Hadley Limited

Fenton House, 102 Grazeley Road, Three Mile Cross, Berks RG7 1BJ

Great sport is built on



National suppliers of sports surface materials:

- Sand • Rootzones • Pathway Materials
- Loksand • Drainage Aggregates

For further details telephone

**01298 213740**

Tarmac

## Sports Netting



Contact your local distributor or call the Tildenet Sports Department for further information  
Tel: +44 (0)117 966 9684

- Teaching Golf Net & Frame



- Target Greens
- Anti-ball Plugging Nets
- Padded & Net Bay Dividers
- Bunker Membrane
- Perimeter Fencing
- Ball-stop Net
- Grass Germination



- Anti-dazzle Netting
- Water Hog

## Top Dressings

BANKS AMENITY PRODUCTS LTD

EXCLUSIVE MANUFACTURERS OF

**FENDRESS™ GREENTOP™ & FENDRESS™ TOP DRESSINGS**  
SUPERIOR, CONSISTENT TOP DRESSINGS AT  
**AFFORDABLE PRICES**

TEL: 01858 464346 / 433003

### BL BOUGHTON LOAM LTD

Telford Way, Kettering, Northants

Tel: 01536 510515

for

**Turf Dressing  
Root Zone Mixes  
Screened Top Soils  
Bunker Sands  
Horticultural Composts**

"Pre-germinated grass seed"

"Liquid Sod" Spray-on grass

Herbicides

Grass Seed

Fertilisers



**Management Systems**

Dromagh Farm, Sevenhills Road, Iwerheath, Bucks, SL0 0PA

Tel: 01895 834411

## SOIL TECHNOLOGY RUFFORD

BRITAIN'S NO 1 FOR QUALITY AND SERVICE  
TOP DRESSING • CONSTRUCTION ROOT ZONES

SANDS • GRAVELS • GRASS SEED SOIL • PATHWAY MATERIALS

Eaton Hall Quarry, Manchester Rd, Congleton, Cheshire CW12 2LU

Tel: 01260 281801

## Soil Shredders/Mixers Screeners

Make valuable compost and dressings on site. Wide range of models available.

**sisis** Tel: 01625 503030  
Fax: 01625 427426

SISIS EQUIPMENT (Macclesfield) LTD

## Tractors

MOTOKOV UK Ltd, Bergen Way, Kings Lynn, Norfolk PE30 2JH



Mistral

(37-47HP)

From £9,900+VAT



- Powered by Yanmar Diesel
- Sensibly priced
- 540/750 Groundspeed PTO
- Excellent manoeuvrability
- Interest-free Finance
- Electro hydraulic Twin Diff Lock
- Turf tyres available

Tel: 01553 817700 Fax: 01553 691201

TRACTORS AT REALISTIC PRICES

## Trees



Nature First Ltd.

Wood Lane Nursery  
Down Hatherley  
Gloucester  
GL2 9QB

Tel: 01452 731199  
Fax: 01452 731131  
E-mail: trees@treefinder.co.uk

## BIG TREES

Vast range of semi-mature and heavy standard trees available from our nurseries. Nationwide planting service if required.

## TREE MOVING

Move your own trees at a fraction of the cost with our fleet of modern tree spades.

## Turf

### Greens Turf

Grown on top quality USGA spec root zone & maintained at 6mm completely chemical free

Bent/Fescue or Creeping Bent

**AGATES NURSERY FARM**

Tel: 0118 932 4910 Fax: 0118 932 4913

## INTURF™

**Turf Growers and Innovators of Turfgrass Systems**

The Chestnuts, Wilberfoss, York, YO41 5NT

Tel: 01759 321000

Fax: 01759 380130

e-mail: info@inturf.co.uk



## NORTH WEST TURF

QUALITY SEEDED TURF GROWERS

- Greens Turf
- Tees Turf
- Revetting Turf
- Next day nationwide delivery

All grown on beautiful sandy soil  
and TGA approved turf

TEL: 01695 422144

## Q Lawns

Growers of Quality Turf

Q Master (no ryegrass) for  
Golf Greens, Croquet Lawns

Q Lawn (with ryegrass) for  
General Landscaping & Retail

Quality Service with next day  
Nationwide Deliveries  
Quality Fair Prices –  
No Hidden Costs

Tel: 0845 70 23 979  
Fax: 01842 827911

ISO 9002 - TGA certified turf  
Official Suppliers to  
Royal Botanic Gardens KEW

www qlawns.co.uk

Email: sales@qlawns.co.uk

## TT ProTurf



GROWERS  
AND SUPPLIERS  
OF QUALITY CULTIVATED  
TEES, GREENS AND AMENITY  
TURF COUNTRYWIDE

TEL: 01427 890797

FAX: 01427 891785

Email: info@proturf.co.uk

## TT ProTurf Ltd

NORTH CARR FARM, WEST STOCKWITH, NR  
DONCASTER, SOUTH YORKSHIRE DN10 4BD

## Turf Dressings

### BAILEY'S OF NORFOLK

- ☆ GOLF TURF DRESSINGS ☆ SAND ☆
- ☆ SCREENED TOP SOIL ☆ FEN SOIL

Deliveries Nationwide

### BAILEY'S OF NORFOLK

Tel: 01603 754607

### BOURNE

AMENITY

Manufacturers of quality dressings, including  
green organic, fen soil & loams, for fairways,  
greens & tees, in loads of all sizes

Serving the South of England.

Tel: (01797) 252298 Fax: (01797) 253115

Visit the new  
BIGGA website @

www.bigga.org.uk

Visit the new  
BIGGA website @  
www.bigga.org.uk



We make the difference

Pro Formula quality  
fine turf dressings, rootzones  
& divot mixes

Tel: 0990 133800

## Vertidrain Hire

### NATIONWIDE VERTIDRAIN HIRE

SELF-OPERATED  
OR WITH OPERATOR

TRACTOR WITH 1.6 mt  
£500/WEEK

TRACTOR WITH 2 mt  
£700/WEEK

Tel: 01522 869100  
www.countygrass.co.uk

Visit the new  
BIGGA website @  
www.bigga.org.uk

## PETER MANNINGTON



Specialist Verti-Drain Contractor for the South  
For greens, tees, fairways and sportsgrounds  
Experienced operator, competitive prices and reliable service

Tel/Fax Peter on 01580 861211  
or Mobile 0850 612061

1 White Horse Cottages, Silverhill, Hurst Green,  
Etchingham, East Sussex TN19 7QA

## WORTH DRAINING

VERTIDRAINING and  
HOLLOW CORING HIRE

Distance no object

Contact Peter Bloodworth

Combecks Farm, Imham, Grantham,  
Lincolnshire. Tel/Fax: 01476 550266

or Paul Simpson, Manager

Tel: 01476 585 549 Mobile: 0797 450 4793

## CONTACT THE PROFESSIONALS

FREEPHONE 0500 432 120

OR 0780 125 6767

DAY OR NIGHT

FOR ALL TYPES OF AERATION,  
CULTIVATION AND SEEDING,  
CONTACT MICHAEL SEWARD AT  
SEWARD TURF MAINTENANCE  
YORK

## Classified

## sisis DIRECT

Various SISIS S/H aerators, scarifiers, top-dressers,  
sweepers, seeders, etc. refurbished by the manufacturer.  
Stock constantly changing - phone for details and prices.

Also extensive range of hire equipment including stone  
removers, trenchers, aerators, seeders, top dressers, etc.

Phone 01625 503030

## Classified

## FOR SALE

JD 855 Compact Tractor Hydrostatic  
Lewis - bachoe + 4-in-1 loader  
Ag Tyres  
Excellent Condition £9,995

LM146 Ifor Williams for sale, 14 months  
old. Mint Condition, hardly used £1,625

5hp Power Leaf Collector and shredder  
with 5 forward gears 1 reverse.  
Used four times.  
New £1700 For Sale @ £775

All prices + VAT

TEL: 01491 579539  
MOBILE: 0831 407751

The deadline  
for inclusion in  
the September  
Classified  
section is  
Monday,  
August 14,  
2000

## Job Shop

Experienced Irrigation Technician.  
54 hole complex. Seeking a new  
challenging position Europe/Middle  
East/Far East. I demonstrate a  
strong working knowledge of  
modern irrigation systems  
coupled with a sound practical  
greenkeeping background. I also  
have experience in helping set  
budgets, work programmes, health  
& safety and all water management  
requirements including varied  
environmental studies.  
BTLIA qualified.

JS/111/00

## Classified

## FOR SALE

Toro 3000D Greens Mower	£3750
Toro 322D 88-inch rotary	£4500
Ransomes Hydraulic 5-gang mower	£3550
Selection of trailed reconditioned gangmowers	
Ransomes Hydraulic 5 reconditioned gangmowers	
Sisis Auto Turfman Spiker	£950
Many other machines in stock	

M Channer Mower Service  
Tel: 01494 712145  
or 0836 520731

FOR THE LATEST NEWS, FEATURES AND  
INFORMATION FROM THE FINETURF INDUSTRY

GET ONLINE AT  
www.bigga.org.uk



Upon receipt, your order will be acknowledged by telephone or fax, along with details of the cost and publication date of the next edition.

Remember, send no money now, an invoice will be raised after publication.





## Assistant Greenkeeper

APPLICANTS ARE INVITED TO APPLY FOR THE ABOVE POSITION

The post will give the successful applicant the unique opportunity to join a dedicated team maintaining our 18 hole championship golf course, working from one of the most modern and fully equipped maintenance facilities in the country.

The successful candidate will gain valuable PGA Tournament experience as we will again be hosting the Senior's Tournament of Champions in October.

All applicants must be suitably qualified, holding the relevant qualifications, and have a minimum of two years experience working on a golf course.

Applicants must be competent to operate a wide range of professional plant and machinery and have a working knowledge of sand constructed greens and irrigation systems will also be an advantage.

Salary will commensurate with age and experience. Accommodation not provided.

If you consider yourself hardworking with a keen and positive attitude and are willing to learn new ideas, please apply in writing with your full CV to:

Philip Chiverton, Golf Course Manager, Buckinghamshire Golf Club,  
Denham Court Drive, Denham, Buckinghamshire UB9 5BG

## Glen Golf Club, North Berwick

Require a

# Course Manager

Due to the retirement of our Head Greenkeeper we require an experienced and qualified person to become the working course manager of this popular seaside course. Reporting to the Club Secretary and in close liaison with the green convener, this demanding role includes responsibility for the leading and motivation of staff, maintenance of modern machinery, compliance with Health & Safety legislation and working with a department budget.

The members of the club have recently committed to a three - five year plan for the improvement of the course, including new tees, greens and irrigation system. The successful applicant will be charged with the completion of this exciting development.

Accommodation is not provided.

Applications, indicating current salary should be made in writing, marked "private and confidential" to;

The Club Secretary, Kevin Fish, Glen Golf Club,  
Tantallon Terrace, North Berwick, EH39 4LE

Closing date for applications: September 1, 2000

Myerscough College is a successful and dynamic institution with 6,000+ students (full/part time). Due to expansion and major developments, opportunities now exist for enthusiastic and committed individuals to join Myerscough at this exciting time.

### LECTURER IN TURFGRASS AGRONOMY/ SHORT COURSE DEVELOPMENT

(POST REF: LECTURFGCRSDEV)

to join a forward thinking team developing HE & Degree programmes whilst at the same time increasing industrial links.

### LECTURER IN TURFGRASS AGRONOMY

(POST REF: LECTURFAGRON)

to join a forward thinking team developing HE & Degree programmes whilst at the same time increasing industrial links and responsibility for developing research programmes. Salary will relate to qualifications and experience.

### PART TIME LECTURERS/INSTRUCTORS IN TURFGRASS/AGRONOMY

to be included on our register of part time employees. Please forward a comprehensive CV together with an indication of availability for teaching.

FOR FURTHER DETAILS AND AN APPLICATION FORM

(FOR FULL TIME POSTS) PLEASE SEND A LARGE SAE TO JEAN BIRD,  
PERSONNEL ASSISTANT, MYERSCOUGH COLLEGE,  
BILSBORROW, PRESTON, LANCASHIRE PR3 0RY.

PLEASE VISIT OUR WEB SITE [WWW.MYERSCOUGH.AC.UK](http://WWW.MYERSCOUGH.AC.UK) FOR FURTHER INFORMATION  
ABOUT THE COLLEGE.

CLOSING DATE FOR APPLICATIONS 31.08.00



Myerscough  
College



THE  
LONDON  
GOLF CLUB

Invite applications for the following positions:

## FIRST ASSISTANT GREENKEEPER SENIOR ASSISTANT GREENKEEPER ASSISTANT GREENKEEPER

Enjoy the benefits of joining our dedicated greenkeeping team of 30, working from one of the most modern facilities in Europe.

Two championship courses designed by Jack Nicklaus and Golden Bear Design are situated within 650 acres of the Kent countryside, approximately 25 miles south of London.

We have opportunities for candidates possessing relevant experience and qualifications with an enthusiastic and professional approach.

If you enjoy working to high standards, joining our team offers rewarding challenges and excellent opportunities for training and career development.

Applications should be made in writing with full CV by 8 September to:

Peter Todd, Golf Courses Manager, The London Golf Club,  
South Ash Manor Estate, Ash, Nr Sevenoaks, Kent TN15 7EN



## PARK VILLAGE GOLFANLAGEN, STROMBERG, GERMANY

Requires a

### Deputy Head Greenkeeper

Applicants should possess NVQ Level 2, PA1, PA2 and PA6 and should be studying for NVQ Level 3 or equivalent.

Ability to play golf and speak German would be an advantage. Salary and conditions are negotiable.

Please apply in writing with CV to;

Peter Robinson, Head Greenkeeper, Park Village Golfanlagen, Buchenring 6, 55442 Stromberg, Germany

## OAKMERE PARK OXTON

GOLF COURSES • RESTAURANT • DRIVING RANGE

27 HOLE PARKLAND GOLF COMPLEX WITH DRIVING RANGE, REQUIRE AN

### ASSISTANT GREENKEEPER

APPLICANTS SHOULD HAVE MINIMUM TWO YEARS EXPERIENCE AND HAVE NVQ LEVEL 2 OR EQUIVALENT.

SPRAYING CERTIFICATES AN ADVANTAGE.

APPLICATIONS IN WRITING WITH CV TO:

RYUN HOLDEN, COURSE MANAGER, OAKMERE PARK GOLF CLUB, OAKS LANE, OXTON, NOTTS, NG25 0RH

CLOSING DATE FOR APPLICATIONS - 25/08/00

LINDUM PLANT NUTRITION

## SALES REPRESENTATIVE Midlands

LINDUM is a company, which has been growing and marketing premium turf products since 1984.

Our developing turfgrass nutrition business is looking for people to promote the latest technology using FLORATINE products.

If you have experience of the golf and sportsturf industry, have proven success in a sales role and would like to grow with us, send your c.v. to:

The Managing Director, Lindum Seeded Turf Ltd., West Grange, Thorganby, York YO19 6DJ [lindum@legend.co.uk](mailto:lindum@legend.co.uk)

## DAVYHULME PARK GOLF CLUB

ONE OF THE OLDEST CLUBS IN ENGLAND, REQUIRES

### Two Assistant Greenkeepers

Minimum qualifications NVQ II. PA1 PA2A Certificates preferred. Must have 3 years experience and knowledge of all modern greenkeeping methods. Excellent Package offered.

Please apply enclosing CV to;

Mr N Marner, Head Greenkeeper, Davyhulme Park Golf Club, Davyhulme, Manchester, M41 8SA

## STOCKLEY PARK GOLF LTD

(NEAR HEATHROW)  
REQUIRES AN

### Assistant Greenkeeper

Must have minimum qualifications to NVQ2 plus PA1, PA2 and PA6 spraying certificates.

Candidate must also have at least 3 years' experience with up to date practices.

Committee for Greenkeeper Salary rates apply.

Applications in writing, including full CV to:

Course Manager, The Clubhouse, Stockley Park, Uxbridge, Middlesex UB11 1AQ

# Just the job

Reach over 9,000 turf professionals every month with Greenkeeper International  
Call Cheryl Broomhead or Diane Bray to discuss your recruitment advertising requirements on 01347 833800

**Greenkeeper**  
INTERNATIONAL

## BLACKMOOR GOLF CLUB

FOUNDED 1913

### REGIONAL OPEN QUALIFIER 2000, REQUIRES A FIRST ASSISTANT GREENKEEPER (ONE POSITION)

Minimum qualifications of NVQ Level II with PA1, PA2A and PA5A Spraying Certificates as an advantage. Must have 2 years' experience and knowledge of all modern Greenkeeping methods. Should be pro-active with the ability to work on own initiative. Salary will be as the recommendations set by CGS.

Applications in writing with full CV to;

Blackmoor Golf Club, Golf Lane, Whitehill, Bordon, Hants GU35 9EH  
Tel (01420) 472775 or fax (01420) 487666



## FINGLE GLEN GOLF CLUB

Invite applications for the post of

### Head Greenkeeper

We are seeking hard working team leader with enthusiastic nature. Applicants should possess all relevant qualifications and experience of parkland courses.

Applications in writing with CV to:

Andy Bridgeman, Fingle Glen Golf Club, Pathfinder Village, Exeter, Devon EX6 6AF





## HEATON MOOR GOLF CLUB

FOUNDED 1892

# COURSE MANAGER

Applications are invited for the newly created position of Course Manager at Heaton Moor, an established 18 hole parkland course situated south of Manchester in Stockport Cheshire, close to all the Cheshire courses, north west of the M60 Junction 27.

This is an ideal opportunity to establish yourself in a new post. The successful candidate must possess relevant qualifications, be experienced in all aspects of modern course management and be willing to pass on this knowledge to the staff. He or she must have the ability to lead and motivate staff and co-ordinate a training programme for two Apprentice Greenkeepers. Organisation and control of Budget, Work Programmes and Machinery Maintenance is essential, together with a knowledge of Health and Safety requirements.

Salary and Conditions are negotiable.  
There is no accommodation available.

If you feel that you could lead our enthusiastic team,  
forward your application in writing, including full CV, to:

The Ground Chairman, Heaton Moor Golf Club,  
Mauldeth Road, Heaton Mersey, Stockport, Cheshire, SK4 3NX.

*Closing date for applications: 31 August 2000*

## LENSBURY

*A glorious Club owned by Shell with  
80 years' history of sporting excellence  
and now a thriving leisure club.*



## LENSBURY

at Teddington Lock

# HEAD GROUNDS/ GREENKEEPER

Working with a team of five staff, duties will include:-

- Maintenance of existing fine turf areas (tennis and bowls)
- Working with architects, Swan Golf, in the construction (commencing September) and subsequent maintenance of the **new golf court** with greens and tees constructed to USGA standards.
- Landscape gardening and estate management.

Applicants will have full knowledge/relevant qualifications in groundsmanship to include greenkeeping. Some gardening experience also helpful.

Interested? Send CV to Lensbury, Personnel Department,  
Broom Road, Teddington, Middx TW11 9NU  
(Visit our website: [www.lensbury.com](http://www.lensbury.com))

## BRYNHILL (BARRY) GOLF CLUB

Applications are invited for a suitably qualified and experienced

# Course Manager

This is a new appointment and offers an exciting and challenging position to the right person who can demonstrate the relevant skills, knowledge and experience coupled with the determination to achieve excellence in a team working environment.

Reporting to the club secretary, the position requires a person who is self motivated with excellent man management skills to lead a team of 4/5 people and has detailed knowledge of modern golf course practices. The Course Manager will be responsible for the Health and Safety practices within the Golf Club.

The successful candidate must be able to display experience in all aspects of modern green keeping together with the first class presentation of a golf course.

Salary and conditions are negotiable. No accommodation.

Please apply in writing including CV and attained qualifications to:

The Club Secretary, Brynhill (Barry) Golf Club,  
Port Road, Barry, Vale of Glamorgan. CF62 8PN



*Balmoral Golf Club Ltd*

REQUIRE AN

# ASSISTANT HEAD GREENKEEPER

Applications are invited for Greenkeepers with a minimum of 2 years supervisory experience on a Golf Course and a qualification in Greenkeeping and Sports Turf Management at NVQ Level II or above.

For an application pack apply in writing to:

The General Manager, Balmoral Golf Club,  
518 Lisburn Road, Belfast BT9 6GX

*Completed application forms must be returned by Monday 28 August 2000*



# Friendly advice

Now, as you know, I am not one to criticise but there are certain things that are going to have to be said. Let us face the facts to ourselves and admit that when it comes to getting on with golf club members, some of our performances leave a great deal to be desired. Now before I contin-

ue, I have to admit that I have been less than deferential to these good people on the odd rare occasion. Still, like many of my colleagues, I am just going to have to learn a few hard lessons when it comes to public relations. I know some of you have got the punters to the stage where they honestly believe solar energy radiates from the final component of your alimentary canal but believe me, you are in the minority.

There is no doubt about it, some of us, maybe the majority of us, view the golf club member as somewhat objectionable, an object, even, of evil and depravity.

So how has this sorry state of affairs come about? Well if we travel back in time half a century or so ago we find that we were actually considered to be of the same social standing as our professional golfer friends. Both of us were one step above being in the gutter of society. But as the years have passed, the professional has risen up that ladder to get to the stage where the members give him the utmost in respect. We alas have stayed pretty much at the same level. But when you think about it, this was always inevitable, you just have to look at the life of the pro. Even those sad ones that spend

practically all of their dismal existence in those seedy back rooms of their shops perched on a mountain of pornographic literature while watching Peruvian Yak racing on Eurosport, have gained a certain approval from the membership. This is simply because they are theoretically at least able to do the one thing that nearly all club members can't, i.e. play golf to a reasonable standard.

As for the good ones, they are at the nucleus of golf club life in daily contact with all those critical key members. They own an Aladdin's cave full of the latest in golfing armoury, guaranteed to bestow the purchaser with eternal tranquillity. They are a veritable oracle of golfing technique, eager to part with this theoretical elixir for a mere 30 quid an hour. With their designer couture, hair by Antoine and sales patter honed at the finest estate agent schools they have taken on an almost God-like status within golf club society. Is it any wonder that when an attractive young female accidentally strays within the confines of a golf club, it is the assistant pros that get to fulfil their thoroughly unhygienic carnal urges on them long before any underprivileged grass cutter gets so much as a sniff in the relevant direction.

Let us now compare the life of we greenkeepers. Firstly, as is befitting to people of our class, we engage in manual work, we get dirty and sometimes drag this disease carrying filth into the clubhouse. We apparently spend vast amounts of the members' subscriptions without actually bringing anything back into the club and on top of that just when the greens were getting nice we stick all these holes in them. Add to this the temporary green factor, trolley bans, course closure, our habitual use of deadly chemicals and the fact that the course down the road is always bloody immaculate and what chance do we





have.

It's a wonder we are not pelted with rotten eggs as we put them off their strokes while driving those noisy machines everywhere.

There is no doubt about it, the life of the greenkeeper comes with built-in unpopularity.

The standard method we have always adopted in trying to gain some sort of respect, is to baffle them with science. An example would be in answer to the perennial question; "Why have you spiked the greens?" Our answer would go something like; "So as to re-establish aerobic conditions thereby encouraging beneficial micro-organisms capable of secreting enzymes specific to the breakdown of lignin which, as you know, is inherent within the organic layers of a modified podzol."

This type of retort if used to excess, can lead the member into the belief that their Head Greenkeeper has spent too much time in the chemical store. I have worked for a Head Greenkeeper in the past who always used this format of conversation when faced with committee's question time. The result was they pressurised him out and went to great lengths to replace him with an utter moron that didn't know a fescue from a fuchsia and whose drunken monosyllabic conversation consisted primarily of expletives.

So what else can we do to drag ourselves out of this sea of loathing. Well it's just an idea but may I be so bold as to suggest we be nice to them. That's right, strange, alien even somewhat perverse though it may seem, one way in which we could gain some respect from the golfers is by engaging in social pleasantries with them. "Networking" I believe is the modern day terminology for this activity and I understand it is now considered essential for anyone aiming to advance within their chosen career.

To examine my theories further, let me paint a hypothetical picture. Imagine, if you will, a fairly typical greenkeeper who gets on reasonably well with the membership as a whole. Unfortunately though he gets the odd bit of grief from the club's better golfers who insist on warp factor stimpmeter readings, the Captain who has convinced himself he is a world authority on turf management and the treasurer who would insist that the course and all the main greens remain open in a Biblical flood. On their own they are relatively harmless but they play golf with other people and like nothing better than to have a good old moan at the poor Head Greenkeeper's expense.

Over a period of time they build their own little groups all of which spread further rumours of the greenkeepers incompetence until slowly, imperceptibly life becomes increasingly stressful for the poor unfortunate. The problem is, as we know this

picture is not so hypothetical and is indeed happening to literally 100's of us all over the world.

But what if this greenkeeper came into work one day and as well as his cheery wave to the regular golfers he sees he also has a little chat to them when they get back to the clubhouse. "How was your game today?" he may ask. Believe me, to a golfer the most important subject in the known universe is his golf game and so he will relish the prospect of detailing every aspect of his talents to the greenkeeper in question. In reality of course the golfers' golf game is the most boring subject known to mankind but if that greenkeeper can appear to show genuine interest, he will quickly develop a certain rapport and so the first steps in networking will have been taken.

That mutual regard can then be developed and expanded to other members of the club. They may not be the key members but the greenkeeper will start to get allies on his side. What if he then started to play a bit of golf himself at the weekends. He does not have to play with the members themselves, it is when he is in the clubhouse with them before and after that the good work could be done. He could go from one group to another and spotting a previously networked face would ask "How are things going?", "How did you play? I saw your shot on the 16th today. That was impressive."

It does not matter if he is unfamiliar with the other members of that group; he will be drawn in and so will build up further associations some of who may prove to be very useful in the future. Eventually he can become pally with quite a few of the regular members that have so much influence on the powers that be and slowly that criticism he was previously getting could decrease or start to fall on deaf ears. After all no one likes to hear a friend being slagged off behind his back.

Things will really be starting to happen when the greenkeeper can get it to the stage where he can engage in good humoured leg pulling. The above exchange of words would then be replaced with something like "How are you doing you old git, still hacking up my course? I saw your shot on the 16th today, nice fluke." If he can get it to that stage and

have them respond in the same way, then he knows he has got it cracked.

Now I know what you are thinking, the above scenario would be impossible at your club and in some cases you may well be right. But why not give it a try, the professional does it, so might the secretary, so why not us. The key is slowly at first, build things up and let them dictate the pace but always make the effort. So then what would happen to all those people that gave our poor greenkeeper so much aggravation in the past. Well, either they too will have been incorporated into the greenkeeper's network, or they will simply be so outnumbered that they will be disregarded as whingeing old products of flatulence.

All right, maybe I am being a tad idealistic but a few friends are always better than none at all. It does not matter how appalling your club is, there is always some form of networking that can be done.

Can I add some further advice on this subject? Firstly target those key individuals at your club. The professional is certainly one because of the influence that he generates but also the club's good players and all of your committee. Never say anything bad about people at your club as it will simply result in mistrust. Other people may do it all the time but they are usually the unpopular ones and it is best not to associate yourself with them. When dealing with the Lady Captain and her colleagues remember flattery will get you everywhere but never make the

mistake of giving the impression you have a physical interest in her. The consequences of this are too horrific to contemplate.

This may appear controversial but I suggest you never ask anyone to repair a pitchmark or replace a divot. It does not matter how nicely you ask them, they will always resent you for it. Just turn a blind eye and do it yourself. Put signs up everywhere or write little articles in their newsletter but never target individuals in this way, it's asking for trouble. I know some of us have rejoiced in the ritual put-down of golfers that this situation offers but remember, they are not the enemy. If someone comes up to you with a suggestion always try to give it respect especially if he is a member of standing. It does not matter how stupid the suggestion is and we all know just how stupid they can get, just try to be as diplomatic as possible.

I could go on but I am sure you could all come up with your own techniques. I am not promising the end of all your woes but give it a go; it may just help, it certainly helped me.

**Sandy McDivot.**  
Head Greenkeeper,  
Sludgcombe Pay and Play





## Feature listing from August '98

**August '98:** Mill Ride, Fescue, Blowers, Textron, Open Review, Nematodes, Training

**September '98:** Nine holers - Tolladine and Fingle Glen, Turf, Steve Clement profile, Drainage, World Scientific Congress report

**October '98:** Saltex Review, BIGGA Retrospective, Stirling GC, Toro Awards Preview, Tree grants

**November '98:** Royal Opening, Ramside Hall GC, Gang Mowers, Hayter International report, Irrigation Systems

**December '98:** Toro Awards, Environment Awards, The Appliance of Science, Engines, Architects, BTME Preview

**January '99:** Pesticide Usage, Life in Colorado, Lyshott Heath GC, Worm Research, Stylo Matchmaker profile, Temporary Greens

**February '99:** Westerham GC; R&A questionnaire results; Finland; grass cutting; BTME99 Review; Bernhard and Co

**March '99:** Loch Lomond, Worm update, GrassRoots, Softspikes, Maintenance facilities, Environment review, Architecture

**April '99:** Carden Park, Telecommunications, Water Management, Rolawn, Seeds

**May '99:** Security, Bude and North Cornwall GC, Spraying Regulations, Jim Arthur, The Acid Theory, Amenity Technology profile

**June '99:** Thorpeness GC, Millennium Bug Busting, Irrigation, Scotts profile, Company adaptability

**July '99:** Carnoustie, Golf Course Furniture, Spike Research, Toro profile, BIGGA Silent Auction

**August '99:** Viscount Whitelaw tribute; Open review; Merrist Wood; Saltex preview; Turf; Trees; Grass Cutting; BIGGA Golf Day review; Redexim profile

**September '99:** Slaley Hall; Tyres; Spotlight on Thatch; Elmwood College Awards; National Championship preview

**October '99:** The Manor House, Castle Combe; Aeration; Saltex review; Mycorrhizas; Toro Award preview

**November '99:** Sir Michael Bonallack interview; The Pines GC; Oil; Bunkers; National Championship review

**December '99:** Agronomy; Security; Environment Competition Winner; Toro Award Winners

**January 2000:** Greens Construction; Awkward Jobs; Sandy McDivot; Agronomy; Toro Award review

**February 2000:** BTME2000 review; Committed to Green interview; Rookery Park GC; Engines; Chairman's profile; Environmental Management

**March 2000:** Cleobury Mortimer GC; Course Furniture; R&A Conference Report; Cutting heights; Avoncrop profile; Valderrama report; Westurf preview

**April 2000:** Fortrose & Rosemarkie GC; Utility Vehicles; Irrigation; Seed breeding; Gem Professional profile.

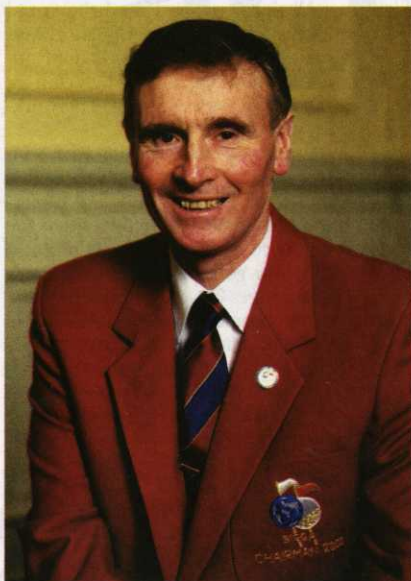
**May 2000:** Ross-on-Wye GC; Top Dressing; Course Mapping; Compact Tractors

**June 2000:** National Championship preview; Spraying; World Education Conference review; Environmental Management; Mowers

**July 2000:** Open Championship Preview; Dougal Duguid Court Case Report; Pest Control; Aventis profile; Course Conditioning



# Training for the future



I received a phone call recently from a very pleased young lady who had some good news for me. It was Tracey, our Membership Services Officer, and the news she had was that we had now passed the 7000 membership level. This is good news and supports the fact that BIGGA is a steadily growing Association, as more and more greenkeepers appreciate the benefits of being a member of BIGGA. With a very professional and forward thinking staff at HQ backed by all the dedicated volunteers from every Section, through Region to the Board of Management all with the same view in mind to make BIGGA an Association to be part of and proud of in this new millennium. No I have not forgotten the Regional Administrators as I want to say well done to all of them and also Tracey and Kirstie for all the hard work that has helped to raise the membership to this next level.

At mention of Kirstie, congratulations on your recent marriage and all our best wishes to you and Salam for a happy and healthy future.

At the end of June I had the pleasure of attending the Scottish Regional Tournament at Newmachar Golf Club near Aberdeen. It was a nice day and although my golf does not improve the company was excel-

lent. I was fortunate to play with Peter Thomson, the Green Convenor at Newmachar, and it was both interesting and enlightening to listen to the obvious enjoyment he got out of working with Dale Robertson the Course Manager and the green staff in their efforts to improve the course especially on the environmental side.

After speaking to Dale it was also obvious that it was a good working relationship from the staff's point of view which is most beneficial

to all concerned especially the club itself. The more I speak to people round the country the more I find the Green Convenor/Chairman who is now genuinely interested in the golf course and the staff and perhaps the days of the guys who are only there for a year or two on their way to becoming Captain or possibly to leave their mark on the course are on their way out.

It is amazing what can be accomplished with a harmonious working relationship between Greenkeeper and Green Convenor/Chairman.

My thanks to the Region for their hospitality and not forgetting the third member of our group who I always enjoy playing golf with but don't tell him!

On June 19 BIGGA held their company Golf Day and what a great day it was. Thirty teams from many different companies took part in a Texas scramble. The weather had to be the hottest day of the year, 30 degrees, and everyone seemed to enjoy themselves immensely. I always believe that we have in this profession a very good relationship with the 'Trade' and it's important that as they support us, we should support them.

From pleasure to business and next day it was our June Board of Management meeting. At this meeting two

far reaching proposals were put to the Board. The first of these proposals was that BIGGA should adopt a Continuing Professional Development (CPD) scheme. This is a scheme which will allow members to carry on with training as and when they are able and also a system that individuals can enter into at any stage in their career. More and more industries are adopting CPD and I believe it is right for BIGGA as well and another step forward in BIGGA's efforts to give members access to education and training at all times. So I was extremely pleased when the Board unanimously agreed to adopt this scheme immediately. (See details page 18).

The second proposal was one to introduce a new category of membership for new unqualified members and also a minimum qualification for Full Greenkeeper membership. Now for those of you like me who do not have any paper qualifications don't panic as all current members would retain their current membership category and this is an important stipulation. This proposal would obviously be a major change in membership terms and the Board decided that this needed to be discussed at both Section and Region levels before coming back to the Board of Management.

Even if you are not on a Section committee but you have views on this proposal contact your Section Secretary as everyone will be listened to.

As I started this report with good news I end it with sad news from our point of view with the imminent departure of Jenny Panton from our Sales and Marketing team. Jenny will be missed, but we all wish her the best of luck in her new job.

**Elliott Small**



# MEMBERSHIP REQUEST CARD

If you are employed as a greenkeeper, at college studying greenkeeping, or involved in any way with the fine turf industry, then BIGGA membership could benefit you. To find out more about membership, fill in this card and send it to us today.



☒ **Yes, I'm interested in joining BIGGA. Please send me details of:**



**Greenkeeper Membership**

Membership subscription includes magazine



**Associate/Company Membership**

Membership subscription includes magazine



**Student Membership**

Membership subscription includes magazine

Name

Mailing address

Postcode

Work Tel:

Golf Club/Company/College

Position at Club/Company/College

Gi. 08.00



BUSINESS REPLY SERVICE

Licence No. YO 331

2



**Membership**  
**BIGGA HOUSE**  
**Aldwark**  
**Alne**  
**York**  
**YO61 1UF**



# STILL LOADING TOPDRESSING BY HAND?

*If you are,  
then it's time  
you tried an  
**EASY-LOAD!***



***It's time slow jobs  
were speeded up!***

*Think of the man hours and back ache  
you could save!*

*Let the Easy-Load do it all for you. Now  
you can transport your sand and load it  
directly into your topdresser with no  
manual handling!*

*And that's not all!*

*The Easy-Load's widely spaced 16"  
floatation tyres give it excellent stability  
and low ground pressure. Coupled with  
its low loading height and 3 tonne  
capacity, it's your ideal all-round golf  
course trailer.*

***Try one, and see  
for yourself!***

Phone for a  
**FREE**  
demonstration  
now!

**GreenTek**  
**0113 267 6000**





# CHOOSE POLE POSITION.....

**Receive a free 220m roll of rope\* worth £35.00 with every 25 Flexipost Rope Stake or 25 New Smart Poles**



\*Rope is available in white, yellow or blue

**Flexiposts - Economical Rope stakes covered in plastic for visibility and durability**

**NEW**

**Smart Poles- 36" Poles complete with rope cap and metal spike, constructed of a rugged, ribbed plastic. Smart poles offer excellent durability and value for money. Available in white or green.**



**Amenity Golf**

AMENITY TECHNOLOGY  
5 Arkwright Road, Reading  
Berkshire RG2 0LU  
Tel: 0118 931 1111  
Fax: 0118 975 0344  
Email: amtec@btinternet.com  
Web: [www.AmenityTechnology.com](http://www.AmenityTechnology.com)

Offer Valid from 1st August to 30th September 2000